

Top 10 FAQs for Fall



- 1. Quarantine & Isolation?**
- 2. Testing - what test and when?**
- 3. Masks - who, what, and when?**
- 4. Vaccinations - what do I do now?**
- 5. Travel - the safest approach?**
- 6. Kids & Youth- what's the latest?**
- 7. College Students - the unique threats?**
- 8. Family Safety Plans - updates?**
- 9. How do I deal with Emergencies?**
- 10. Trusted Information – Who do I trust?**



Welcome



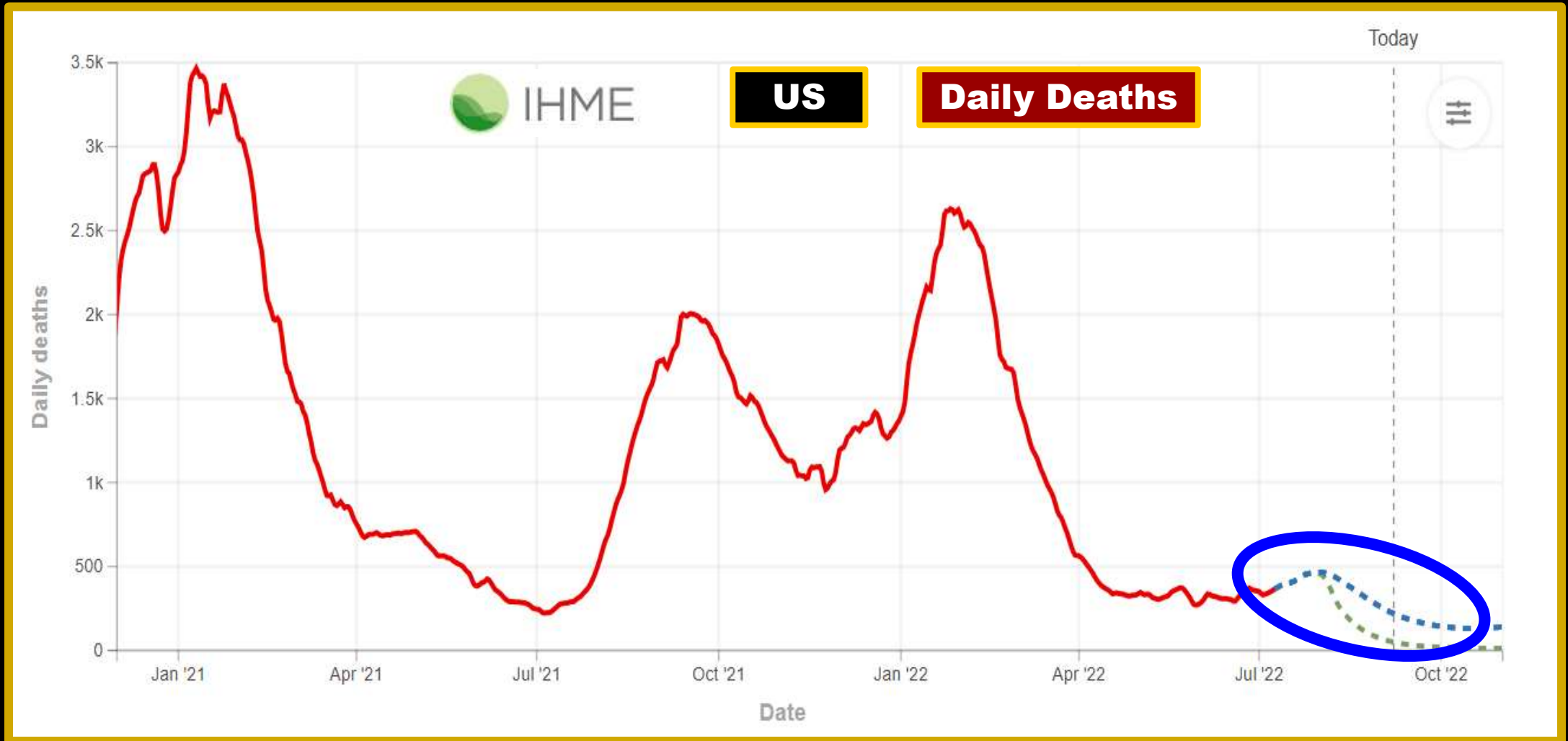
Charles Denham, MD

Chairman, TMIT Global
Founder Med Tac Bystander Rescue Care

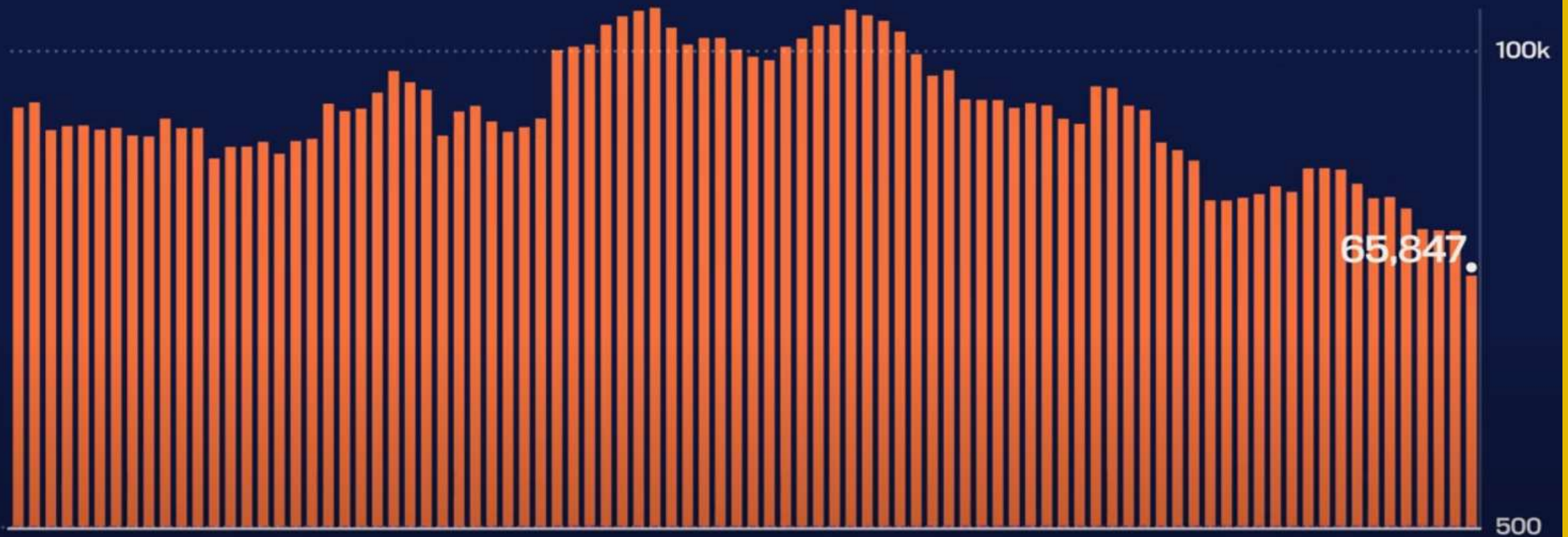
**Med Tac Bystander Rescue Care
September 8, 2022**

***CareUniversity* Webinar 193**

US COVID Deaths



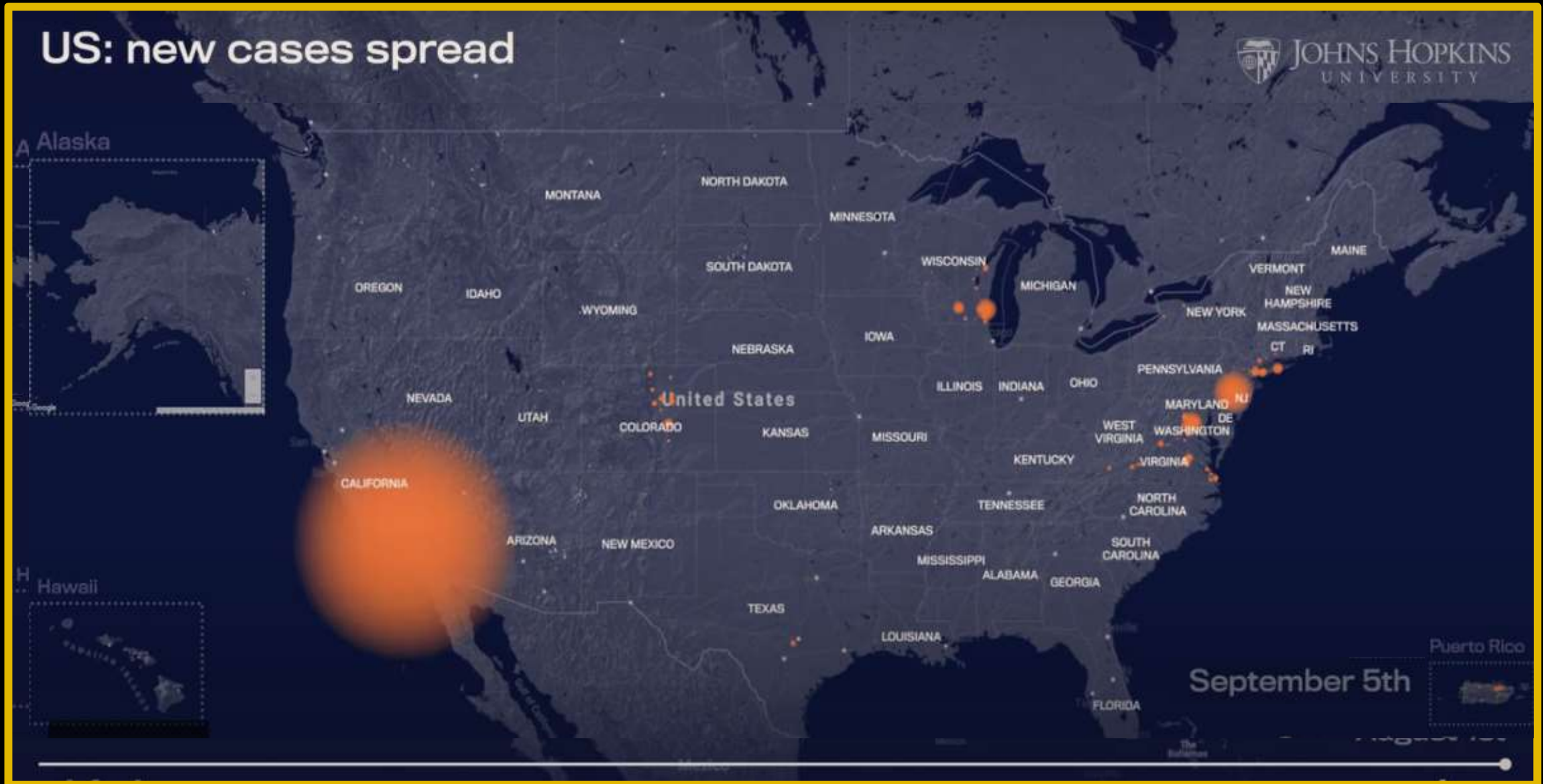
US: deaths / new cases



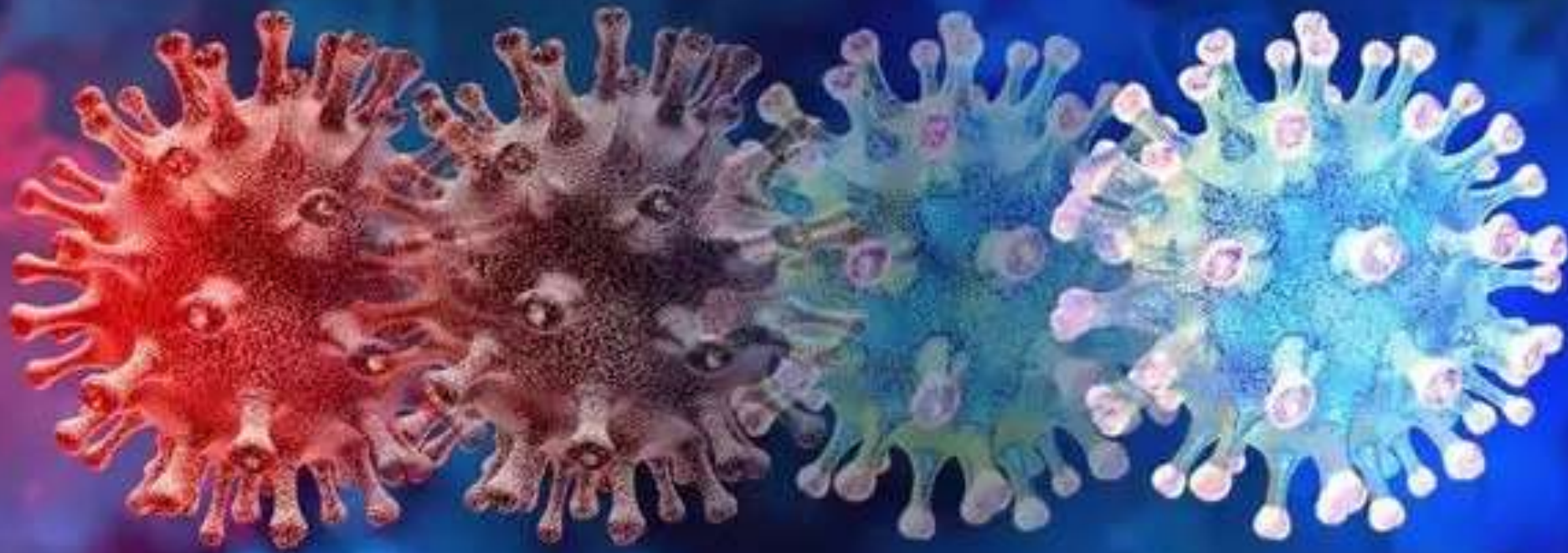
65,847.

100k

500



Coronavirus: Not Done Yet!



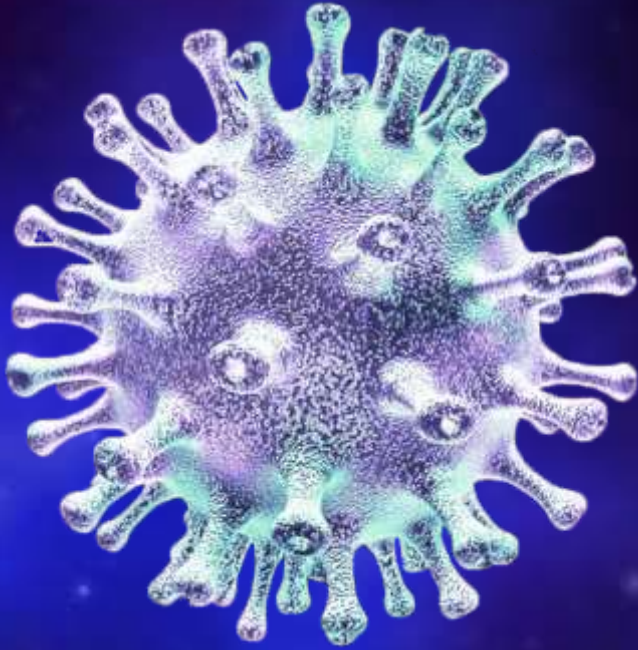
Alpha

Beta

Delta

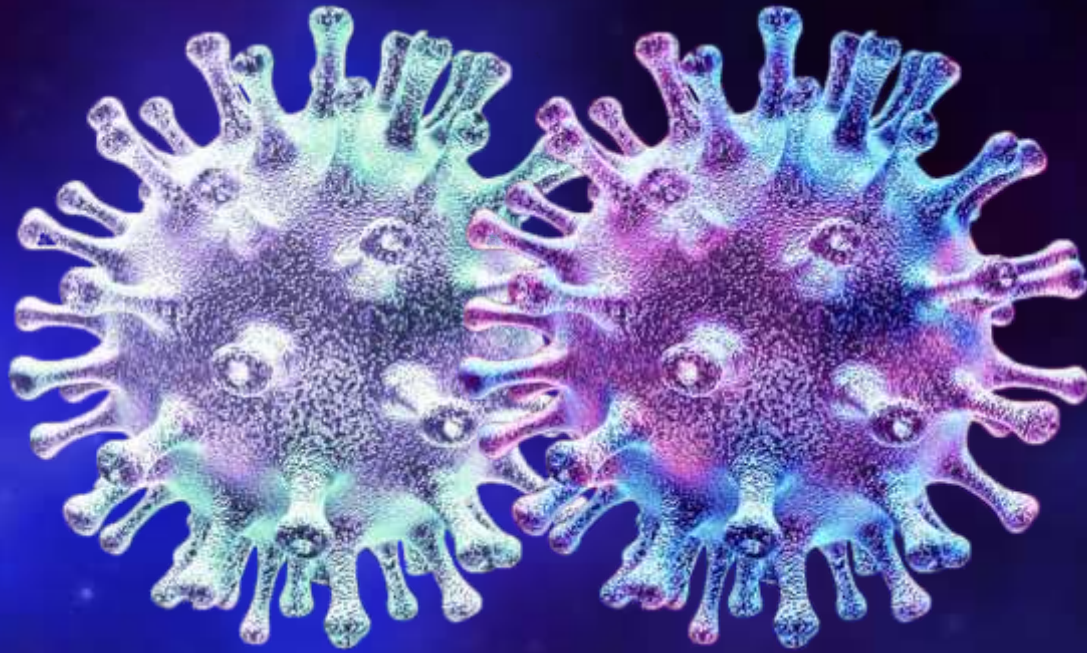
Omicron

Variant Evolution



Alpha

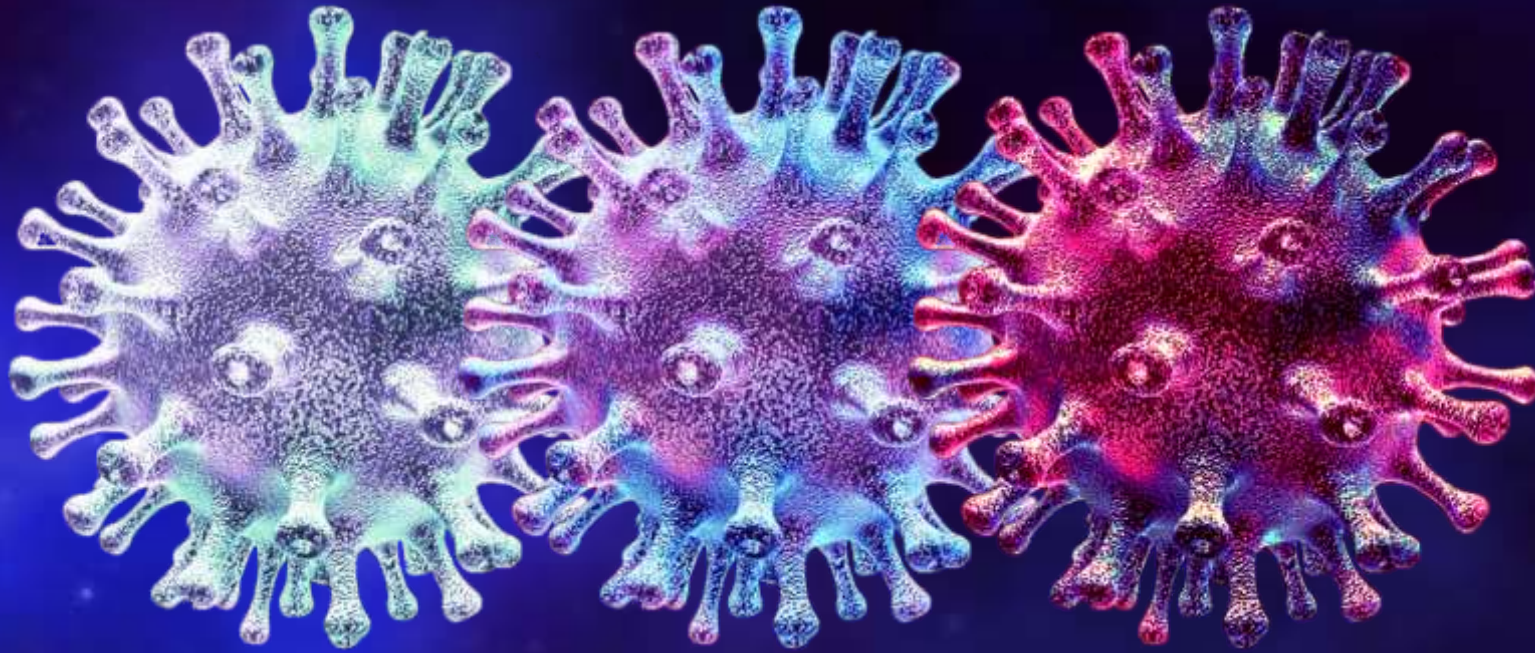
Variant Evolution



Alpha

Beta

Variant Evolution



Alpha

Beta

Delta

Variant Evolution



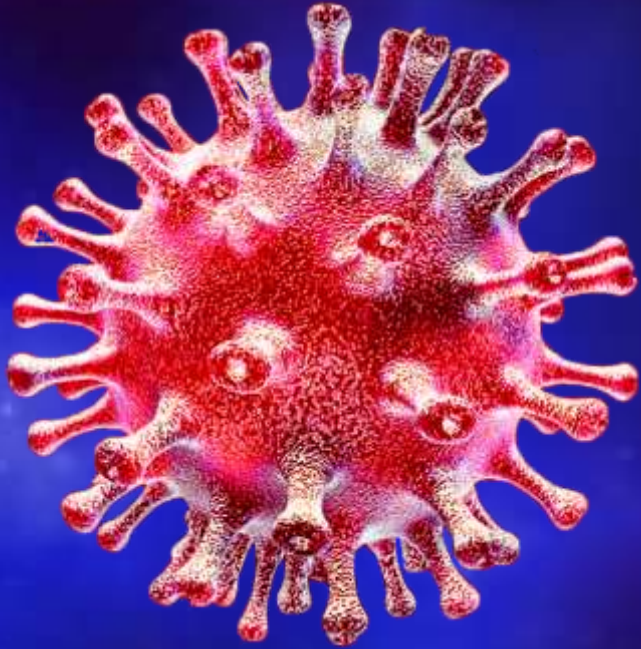
Alpha

Beta

Delta

Omicron

Variant Evolution



Omicron

Omicron BA-5 Subvariant

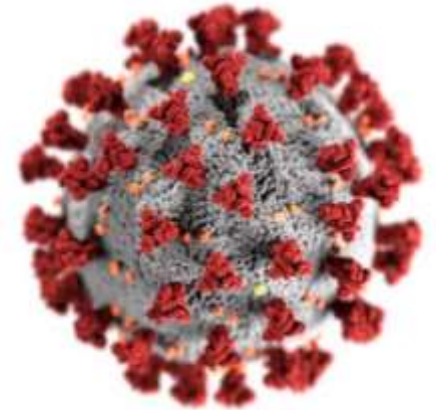
- Evasion of Natural Immunity
- Evasion of Vaccine Immunity
- The Vaccinated may get mild infections
- The Vaccinated get less severe disease with less mortality
- Even Mild Infections can cause Long COVID conditions

Voice of the Patient



Jennifer Dingman

**Founder, Persons United Limiting
Substandard and Errors in Healthcare
(PULSE), Colorado Division
Co-founder, PULSE American Division
TMIT Patient Advocate Team Member
Pueblo, CO**



Top 10 FAQs for Fall of 2022



1. Quarantine & Isolation - what's the latest?
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8. Family Safety Plans - what are important updates?
9. How do I deal with Emergencies?
10. Trusted Information - what source do I trust?



Speakers & Reactors



Jennifer Dingman



Bill Adcox



Dr. Gregory Botz



Dr. Christopher Peabody



Charlie Denham III



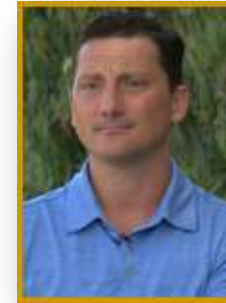
Jennifer Dingman



Randy Styner



Heather Foster RN



David Beshk



Dr. Charles Denham



Our Purpose, Mission, and Values



Our Purpose:

We will measure our success by how **we protect and enrich the lives of families...patients AND caregivers.**

**EMERGING THREATS
COMMUNITY OF PRACTICE**

Our Mission:

To accelerate performance solutions that **save lives, save money, and create value** in the communities we serve and ventures we undertake.

CAREUNIVERSITY®

Our **ICARE** Values:


Integrity, Compassion, Accountability, Reliability, and Entrepreneurship.

Disclosure Statement

The following panelists certify that unless otherwise noted below, each presenter provided full disclosure information; does not intend to discuss an unapproved/investigative use of a commercial product/device; and has no significant financial relationship(s) to disclose. If unapproved uses of products are discussed, presenters are expected to disclose this to participants. None of the participants have any relationship pharmaceutical or device companies discussed in their presentations. The funding of the program is from the Denham Family fund of TMIT Global, a 501c3 Medical Research Organization

- Dr. Gregory Botz has nothing to disclose.
- Chief William Adcox has nothing to disclose.
- David Beshk has nothing to disclose.
- Charlie Denham III has nothing to disclose.
- Heather Foster RN has nothing to disclose.
- Christopher Peabody MD MPQ has nothing to disclose.
- Randy Styner has nothing to disclose.
- Jennifer Dingman has nothing to disclose.
- Dr Charles Denham has nothing to disclose.

Charles Denham, MD, is the Chairman of TMIT Global; a former TMIT education grantee of CareFusion and AORN with co-production by Discovery Channel for *Chasing Zero* documentary and Toolbox including models; and an education grantee of GE with co-production by Discovery Channel for *Surfing the Healthcare Tsunami* documentary and Toolbox, including models. HCC is a former contractor for GE and CareFusion, and a former contractor with Siemens and Nanosonics, which produces a sterilization device, Trophon. HCC is a former contractor with Senior Care Centers. HCC is a former contractor for ByoPlanet, a producer of sanitation devices for multiple industries. He does not currently work with any pharmaceutical or device company. His current area of research is in threat management to institutions including conflict of interest, healthcare fraud, and continuing professional education and consumer education including bystander care. Dr. Denham is the developer and producer of CareUniversity™, the learning management system providing continuing education materials for TMIT Global.



Coronavirus Care
Community of Practice

Bystander Rescue Care
CareUniversity Series

September 8, 2022




REGISTER

JOIN EVENT




Top 10 FAQs for Fall of 2022: Survive and Thrive!

Session Overview

Our population is burned out on Coronavirus issues, however there are critical questions we are all asking for this fall:

1. Quarantine & Isolation – what's the latest?
2. Testing – what test and when?
3. Masks – who, what, and when do I use them?
4. Vaccinations – what do I do now?
5. Travel – what is the safest approach?
6. Kids & Youth – what's the latest?
7. College Students – what are the unique threats?
8. Family Safety Plans – what are important updates?
9. Vaccinations – what do I do now?
10. Trusted Information – what source do I trust?

Our team of experts will weigh in on the evidence based information to answer these critical questions.

Go to <https://www.medtacglobal.org/coronavirus-response/> for short videos covering the critical topics. Join us as we focus on Family Readiness, Response, Recovery, and Resilience.

We offer these online webinars at no cost to our participants.

Webinar Video, and Downloads

The webinar video will be available within five (5) business days after the webinar.


Speaker Slide Set:

The slides will be posted here before the webinar begins.

Date, Time, Dial-in Information, & Objectives

September 8, 2022

- 2:00 PM to 2:30 PM Eastern Time
- 12:00 PM to 1:30 PM Central Time
- 11:00 AM to 12:30 PM Mountain Time
- 10:00 AM to 11:30 AM Pacific Time



Dial-in Info: Audio will be provided through your computer (VoIP) at no cost to you. If VoIP is not an option on your computer, or if you choose to join by phone only, you can use either of the following numbers to dial-in: 1-649-999-5833 OR 1-646-876-9823. Webinar ID: 870 1551 0943. If you use this dial-in number, you will be charged by your local phone company or long-distance provider for the call.


Learning Objectives:

- **Awareness:** Participants will learn the latest about the latest safety gaps that can be addressed by their action.
- **Accountability:** Participants will learn who may be personally accountable for making changes to close the latest safety gaps.
- **Ability:** Participants will learn what financial, operational, and educational resources may be applied to make them "able" to improve safety.
- **Action:** Participants will learn line-of-sight actions that in aggregate can impact the reduction of harm to those who serve, those they serve, and their families.


To request a Participation Document, please [click here](#).

The CAREUniversity Team of TWIT Global, approved by the California Board of Registered Nursing, Provider Number 15996, will be issuing 1.5 contact hours for this webinar. TWIT Global is only providing nursing credit at this time.


Session Speakers and Panelists




Gregory H. Boz, M.D., FCCM




William Adcox, MBA




Randal Styner




Brittany Owens, MD



Christopher R. Peabody, MD, MPH



Jennifer Dingsman

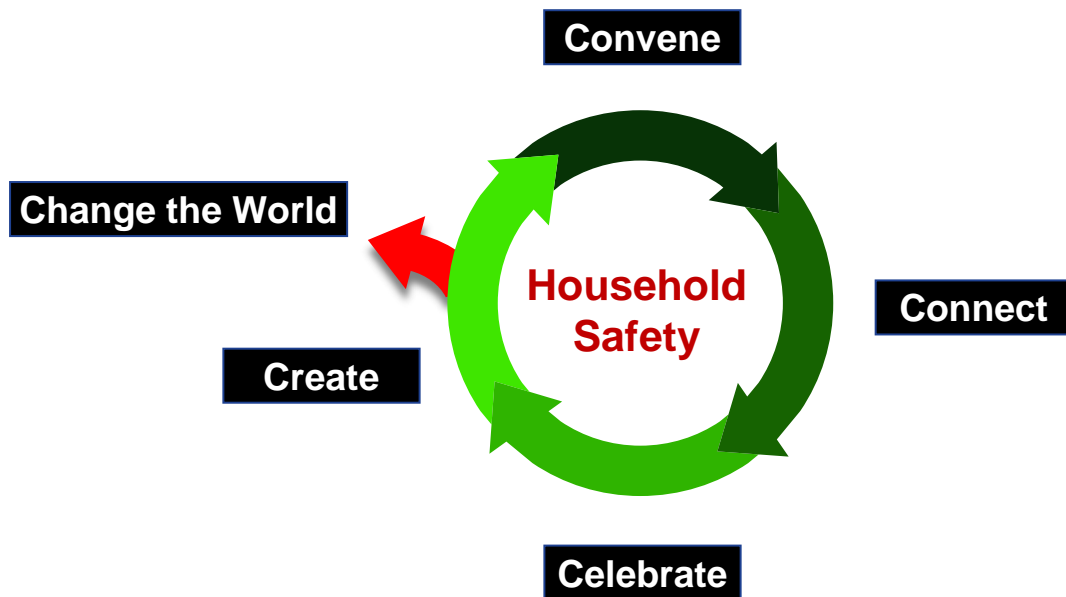


Charles Denham, MD

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Coronavirus Care Community of Practice


2022 Q3 Progress Report



TMIT Global Research Test Bed & 500 Subject Matter Expert Pool

Survive & Thrive Guide: Keeping Your Family Safe

TMIT Global Research Test Bed
3,100 Hospitals in 3,000 Communities
500 Subject Matter Expert Pool Developed over 35 Years



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CareUniversity Med Tac Bystander Rescue Care

Survive & Thrive Guide: Protecting Your Family



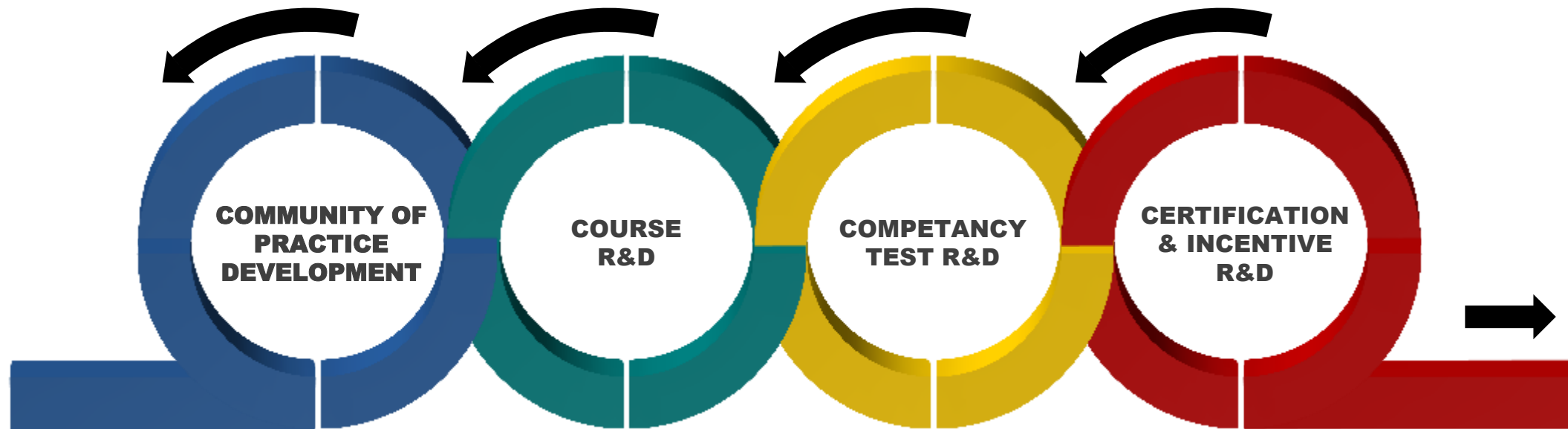
500 Subject Matter Experts

Graphic Representation to Protect Expert Privacy

CareUniversity Med Tac Bystander Rescue Care



Learning Management System





Coronavirus Care Community of Practice

Bystander Rescue Care *CareUniversity Series*



John Nance JD



Dr. Gregory Botz



Chief William Adcox



Heather Foster



Dr. Charles Denham



Dr. Casey Clements



Beth Ullem



Dr. McDowell



Dennis Quaid



Preston Head III



Fred Haise



Dr. Steve Swensen



Tyler Sant



Avarie Pettit



Dr. Mary Foley



Bob Chapman



Perry Bechtle III



Becky Martins



Betsy Denham



Charlie Denham III



Dr. C Peabody



Dr. Chris Fox



Randy Styner



Tom Renner



David Beshk



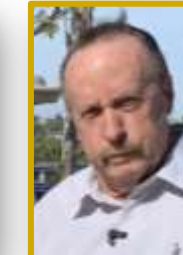
Ann Rhoades



Nancy Conrad



Dr. Chopra



John Little



Debbie Medina



Coronavirus Care Community of Practice

Bystander Rescue Care *CareUniversity Series*



Matt Horace



John Tomlinson



Dan Ford



Arlene Salamendra



Jennifer Dingman



Bill George



Penny George



Hilary Schmidt PhD



Paul Bhatia EMT



Dr. McDowell

Contributions Through Segments of our *Discovery Channel* Documentaries



Prof Christensen



Jim Collins



C Sullenberger



Charlotte Guglielmi



Dr. Don Berwick



Dr. Howard Koh



Dr. Jim Bagian



Dr. Harvey Fineberg



Coronavirus Care Results

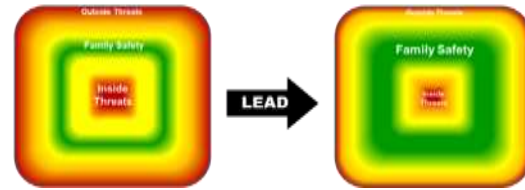
- **Established National Community of Practice**
- **Launched Multi-center 1,000 Family Household R&D Study**
- **55 Ninety Minute Broadcasts and Online Programs**
- **30 *Survive & Thrive Family Training* Programs**
- **Produced a National Campus Safety Summit**
- **Published Multiple Articles Providing Guidance**
- **Established Student Led College & Alumni Programs**
- **Delivered Free Continuing Education for Caregivers**
- **Short Videos for Mobile Viewing**
- **Rapid Response to Family Gatherings**
- **National Vaccine Hesitancy Student Outreach**
- **Smart Phone Mobile Applications**

Survive & Thrive Guide™ Program Road Map

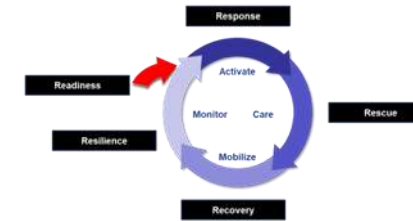
Survive & Thrive Guide Series: Coming Home Safely



Keeping Our Kids Safe



Creating Your Family Safety Plan



Safety Plan Templates for Everyone



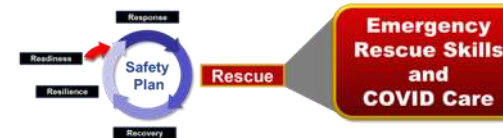
Providing Care at Home



Updating Your Family Safety Plan



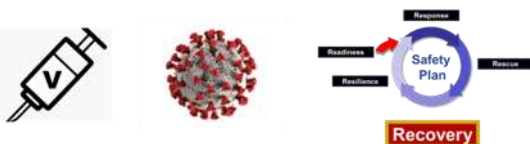
Emergency Rescue Skills



What To Do – They're in the ICU



Vaccines, Variants, and Victory



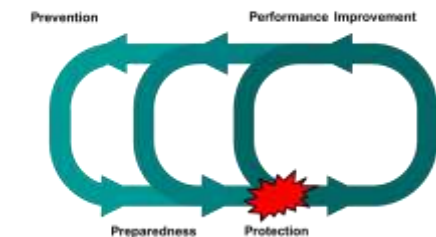
Long Haulers & Severe COVID Recovery



10 Best Practices for Reopening



The New Normal & The 4 P's



Survive & Thrive Guide™ Program Road Map

Dealing with Delta: The Critical FAQs



Essential Worker Toolbox



Special Care for Special Populations



Safer Holidays & Safer Families



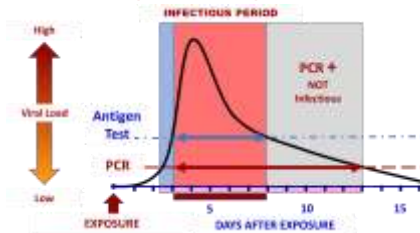
Omicron and Back to Work



Bystander Rescue Care & Omicron



Testing to Navigate Care



Our Stressed Emergency Safety Net



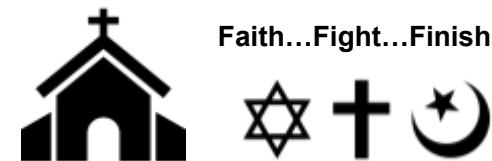
The Next Normal



1,000 Household COVID Study



Faith-based COVID Leadership



Fraud in the COVID Ecosystem



Youth & Young Adult Team



D Contreras EMT
Harvard



Ivy Tran EMT
Harvard



Nick Scheel
UCSB



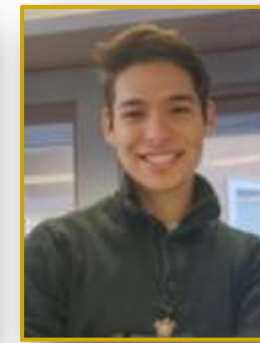
Sophia McDowell
California Inst. of Arts



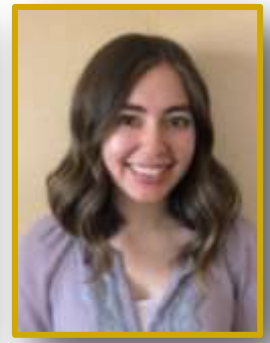
Audrey Lam EMT
USC



Jacqueline Botz
Chapman



Luis Licon
UCI Alum



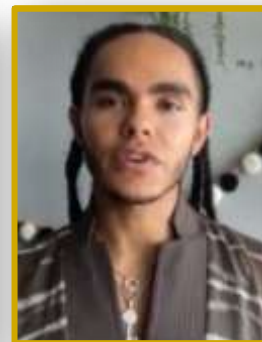
Melanie Rubalcava
UCSD



Charlie Denham III
High School Lead



Charlie Beall
Stanford Alum



Marcus McDowell
U of Cincinnati



Jaime Yrastorza
UCSD Pre-med



Paul Bhatia EMT
UCI Pre-med



D Policichio
NYU Film



Manue Lopez
Berkeley Alum



Preston Head III
UCLA Alum



Family Rescue R&D



Stanford
University

Yale



The 5 R's of Safety



UNIVERSITY OF CALIFORNIA
SANTA BARBARA

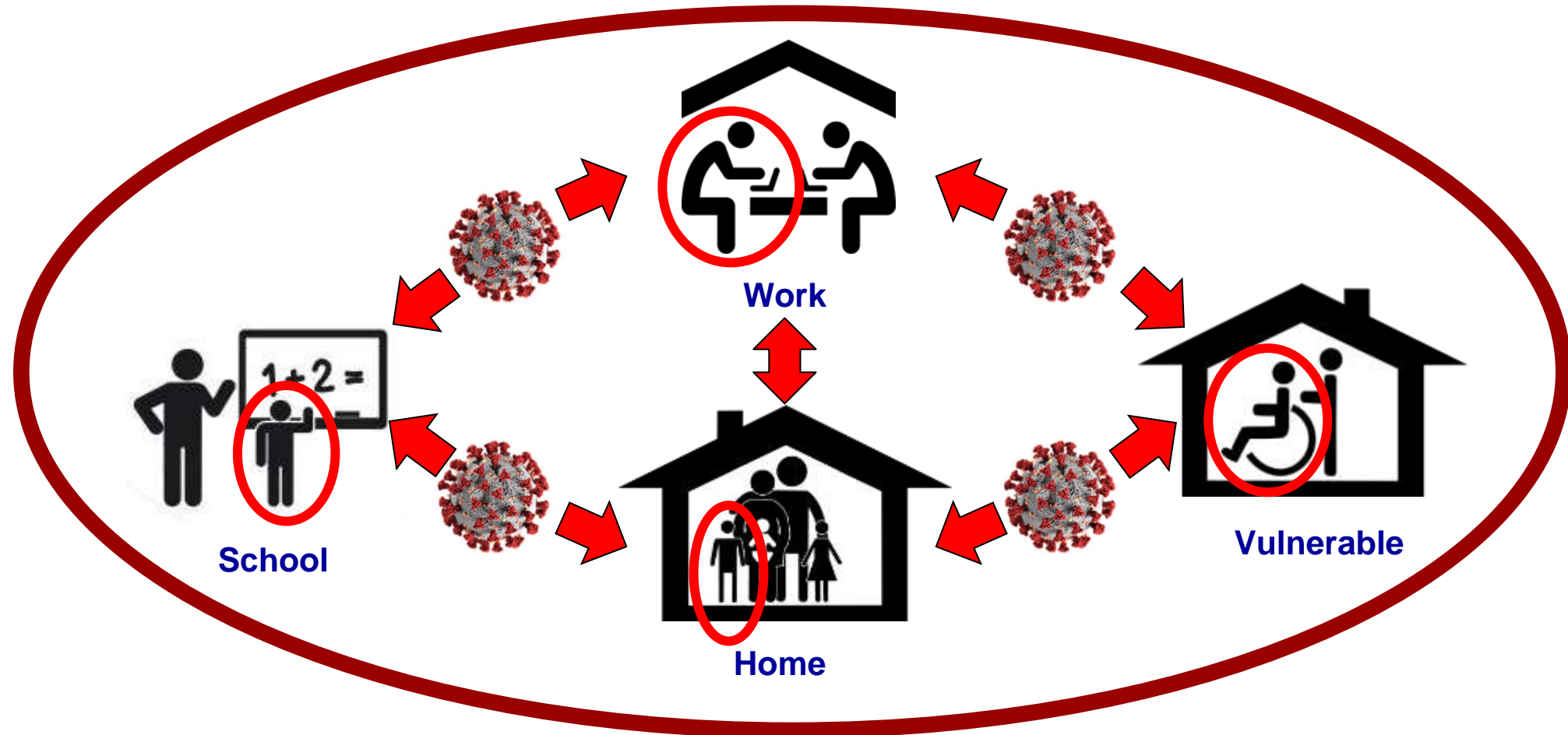
UC San Diego



**Educators
Declared
Essential Critical
Infrastructure
Workers**



Save the Families... You Save the Worker



Monthly Webinars every first Thursday of the month at 1PM ET (Noon Central and 10AM PT). Free, video, and resources posted.

The screenshot shows the MED+TAC website with a navigation bar at the top. Below the header, there's a section for 'Protecting You & Your Family' with a video thumbnail. A sidebar on the left lists various topics like 'Hand Washing & Disinfectants', 'CLEAN High Contact Surfaces', 'Building a FAMILY SAFETY PLAN', etc. The main content area features a 'Short Video Topics' section with a video player showing three people wearing masks. Below this, there's a 'Survive and Thrive Guide™ Courses' section with a grid of course thumbnails. At the bottom, there's a 'Related Resources' section with a list of links.

Short Video Topics

Masks: Filter, Fit, and Finish

Hand Washing & DISINFECTANTS

CLEAN High Contact Surfaces

Building a FAMILY SAFETY PLAN

If we NEED Emergency Care

Why ICU, Respirators, and ECMO

Family Lifeguard Program

Vaccination Conversation

Masks: Filter, Fit, and Finish



Survive & Thrive Guide™ Program Road Map



SHORT TOPIC:

- Short Videos 4-10 min
- Critical Information
- Hits Pillars of Prevention

SURVIVE & THRIVE 90 MINUTE COURSES:

- Longer more detailed
- Webinar Recordings
- Technical Information

Related Resources

Resources:



Care of the At Risk
& Seniors at Home

www.medtacglobal.org/coronavirus-response/

1,000 Worker Study

The 5 R's of Safety



HEAD



HEART



HANDS



VOICE



COVID-19 Podcasts

The Osterholm Update: COVID-19 podcast began in March 2020. Each episode features discussion and analysis on the latest COVID-19 developments by Dr. Michael Osterholm and host Chris Dall.

CIDRAP and Osterholm Update: COVID-19 podcast merchandise is now **available for purchase**.

Please note that gifts from listeners like you enable CIDRAP to continue produce, host, and share the podcast on our site and across multiple platforms. Thank you for **your financial support!**

The Osterholm Update: COVID-19

- **Episode 112: A Reason for Hope** (September 1, 2022)
- **Episode 111: A High Plain Plateau** (August 18, 2022)
- **Episode 110: A COVID Marathon** (August 4, 2022)
- **Episode 109: Rejecting the Status Quo** (July 21, 2022)
- **Episode 108: Living with COVID** (July 8, 2022)



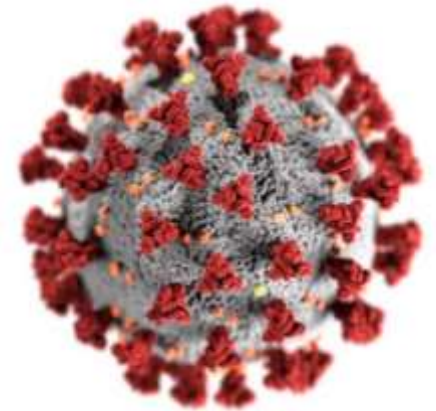
- ▶ **CIDRAP Take**
- ▶ **COVID-19 Information**
- ▶ **Other News Resources**
- ▶ **Bibliography**
- ▶ **Higher Education**
- ▶ **Supply Chain Issues**
- ▶ **COVID-19 & Co-infections**
- ▶ **Podcasts**
- ▶ **Maps & Visuals**

The Next Normal: Left of Boom & 4P's



William Adcox MBA

**Chief Security Officer
and Vice President
MD Anderson Cancer Center
Chief of Police,
University of Texas at Houston
Med Tac Lead Threat
Safety Scientist**



What is the State of Our Safety Net?



What is the State of Our Safety Net?



Obtain
Funds

Develop
Organization

Gather &
Provide
Materials

Improvise
Tactics
Devices

Plan Attacks

Perform
Attacks

Consequence
Management

Left of BOOM

**Breaking the Links
in the IED Delivery Chain**

**Deter &
Predict**

**Detect &
Defeat**

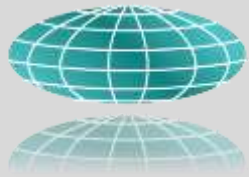


Mitigate

Source: Darling M, Parry C, Moore J. Learning in the thick of it. *Harvard Business Review* 2005 Jul-Aug. Available at <https://hbr.org/2005/07/learning-in-the-thick-of->



**EMERGING THREATS
COMMUNITY OF PRACTICE**

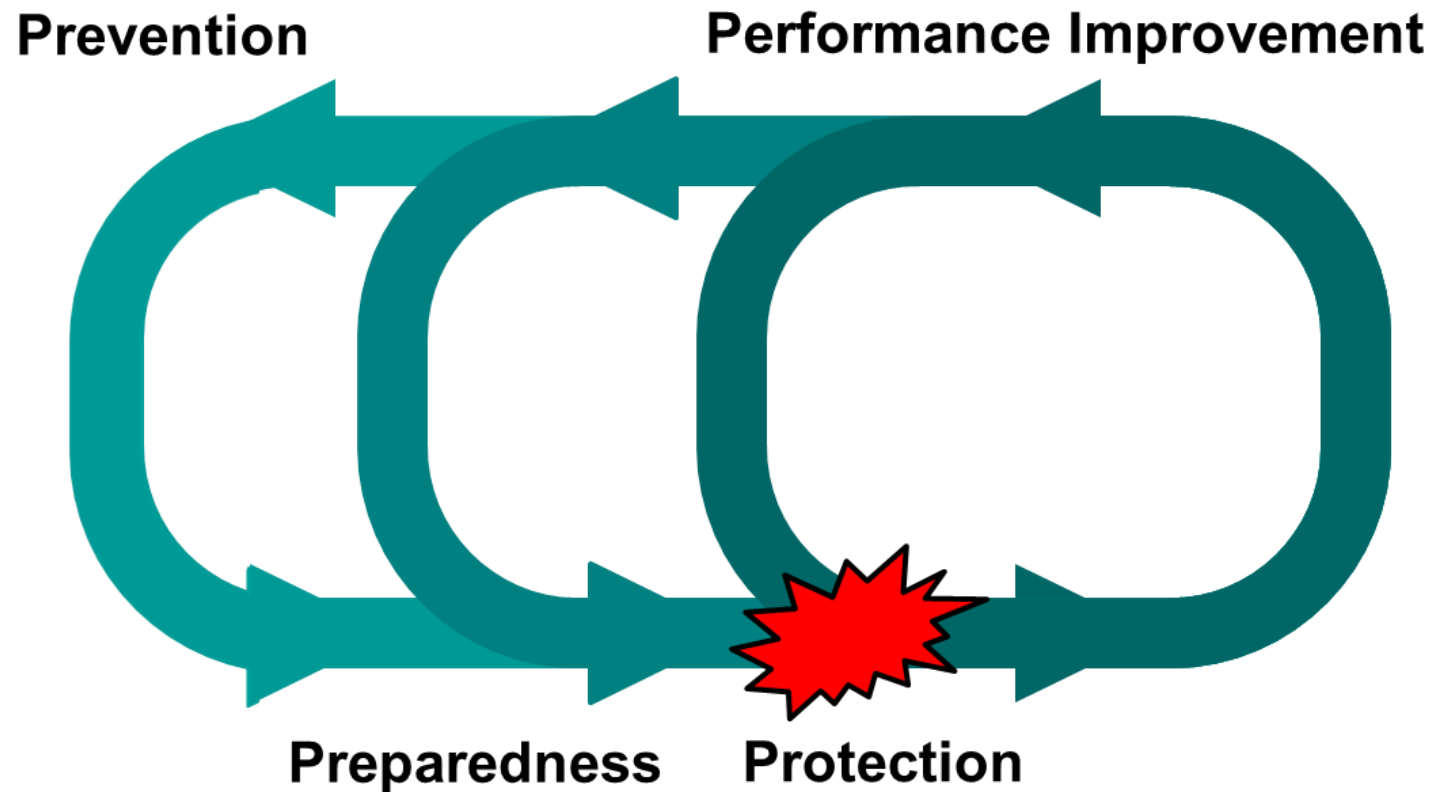


**Global Patient
Safety Forum**

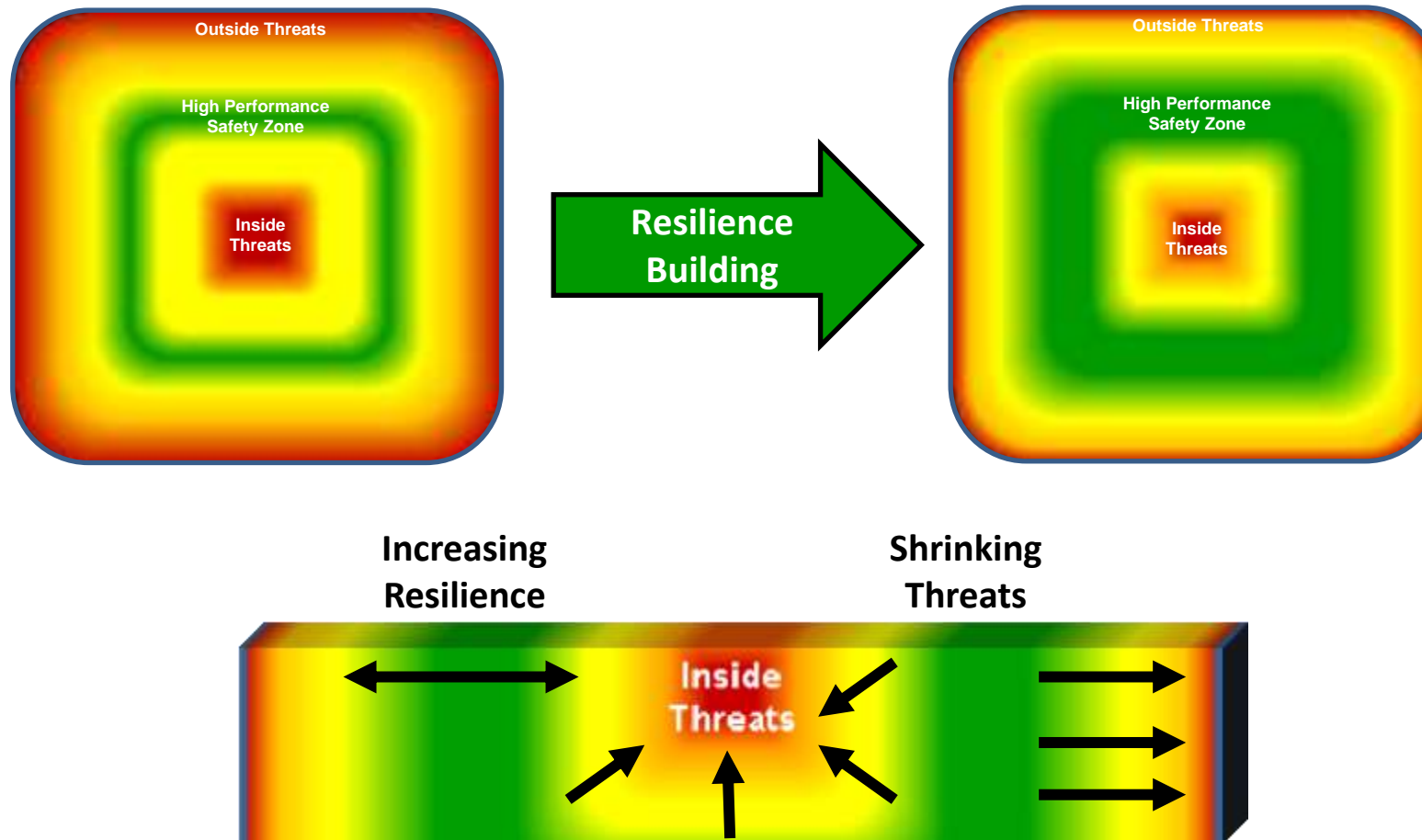
***SAFETY*LEADERS®**

***CARE*UNIVERSITY®**

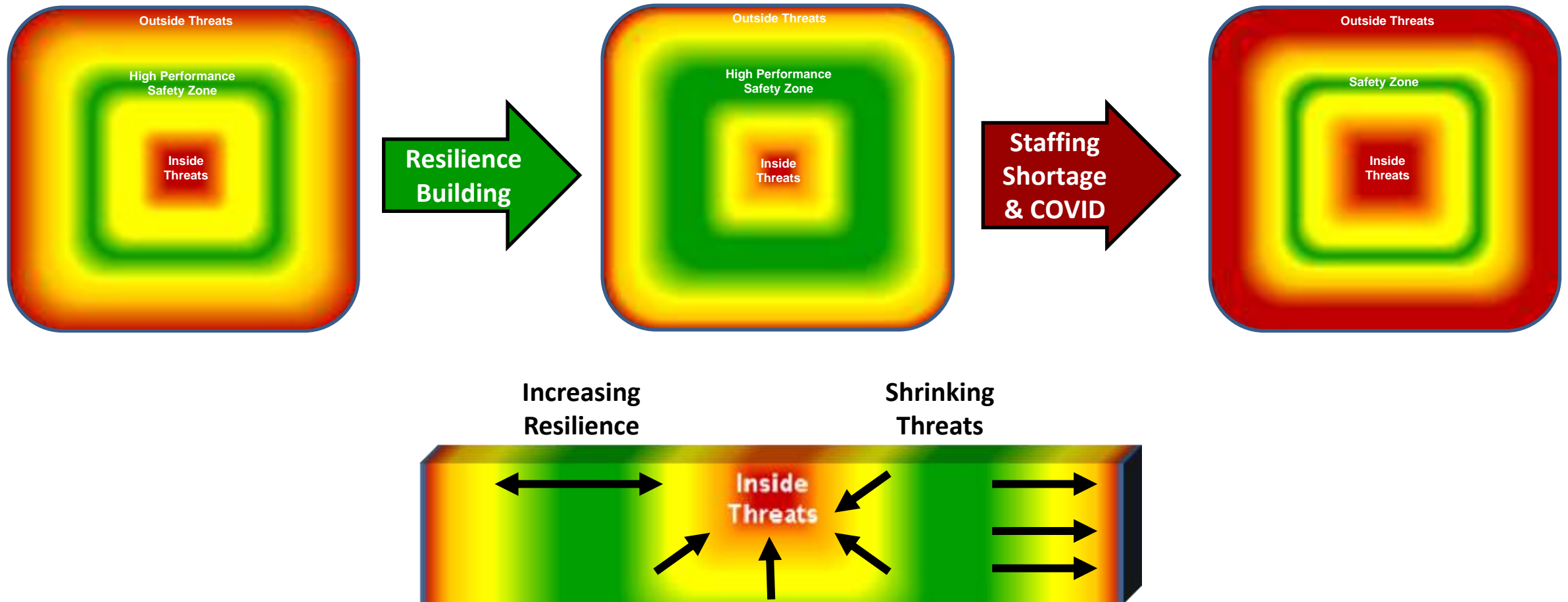
The 4 P's: Prevention, Preparedness, Protection, and Performance Improvement



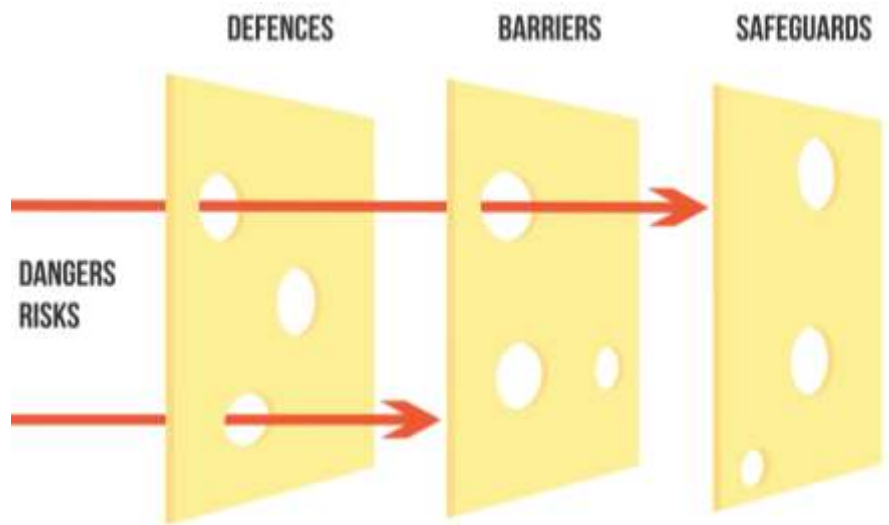
Inside & Outside Threats and Resilience Building



Inside & Outside Threats and Resilience Building



SWISS Cheese Model



Professor James Reason

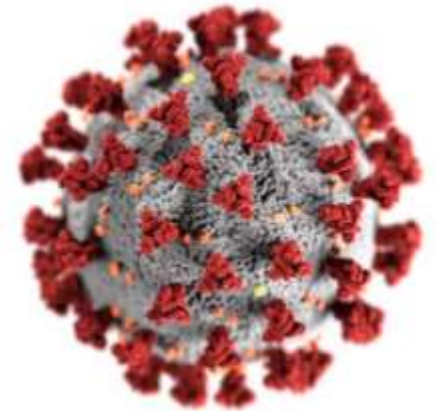
Source: <https://www.youtube.com/watch?v=KND5py-z8yl>

Comments on Swiss Cheese Model



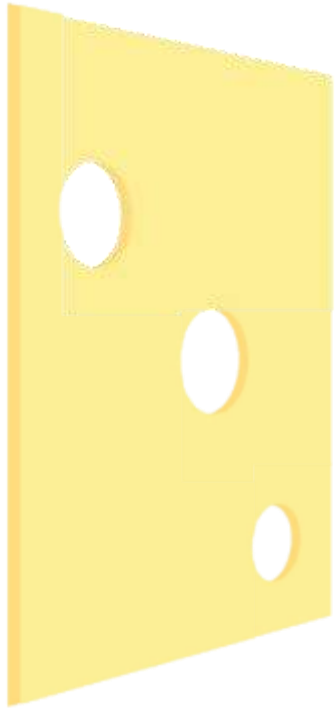
Gregory H. Botz, MD, FCCM

**Professor of Anesthesiology and Critical Care
UT MD Anderson Cancer Center, Houston, TX
Adjunct Clinical Professor, Department of
Anesthesiology
Stanford University School of Medicine,
Stanford, CA**

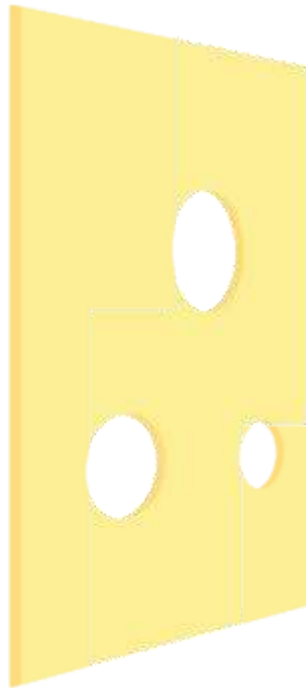


Original COVID Defense Strategies were Layers

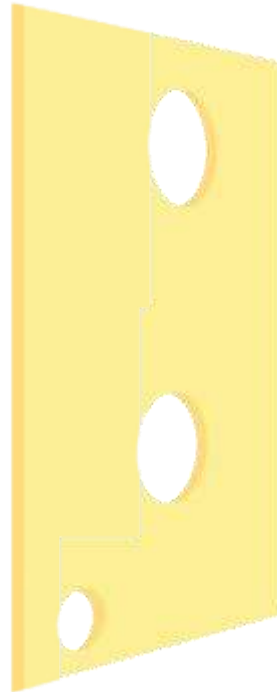
Distancing



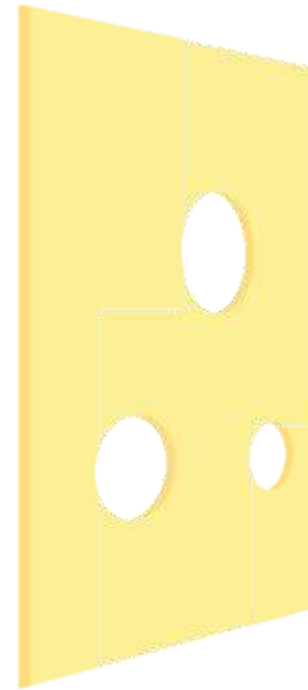
Masks



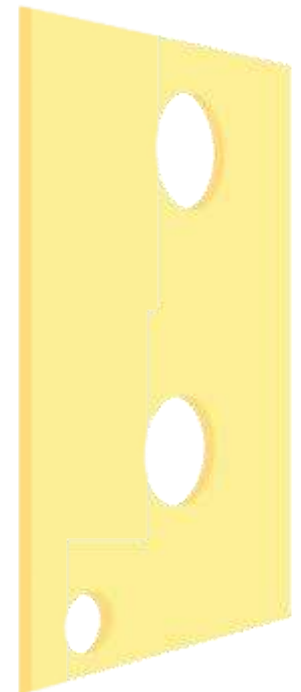
Disinfecting



Ventilation

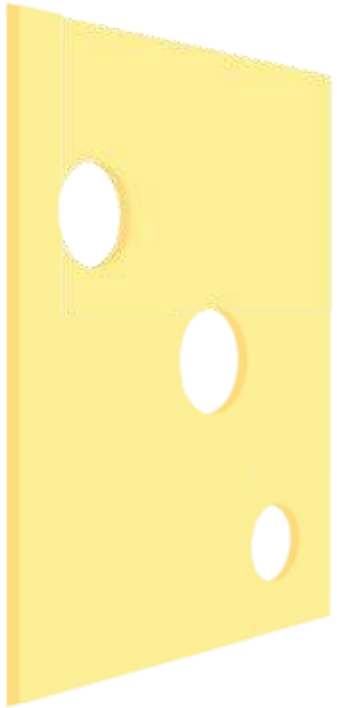


Testing

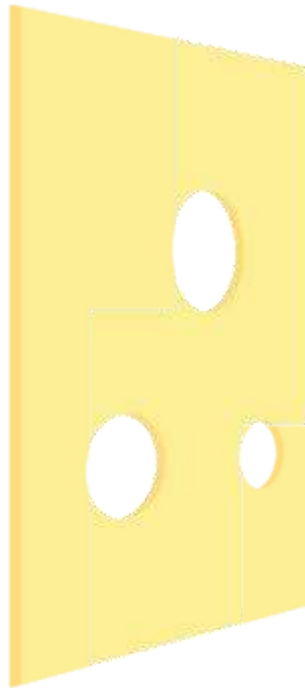


Latest COVID Defense Strategies Add Layers

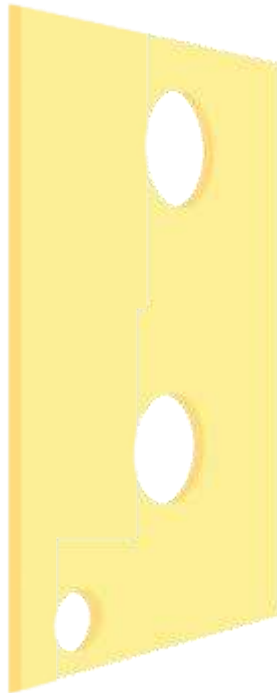
Vaccination



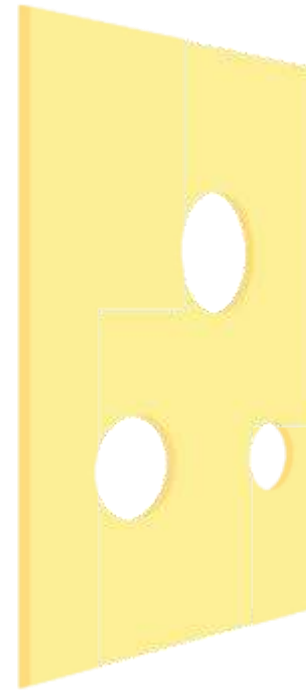
Distancing



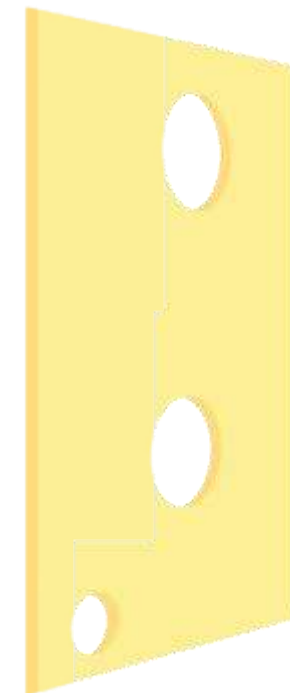
Masks



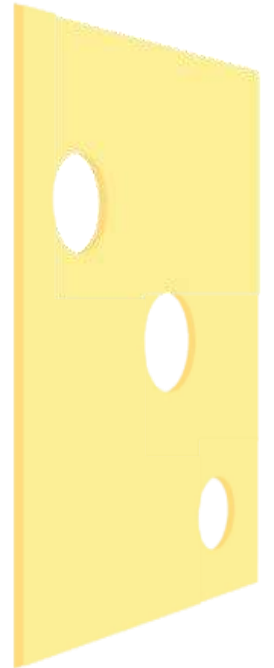
Testing



Handwashing



Disinfecting





Original Safe Practices



**Social
Distancing**



**Use of
Masks**



**Hand
Washing**



**Disinfecting
Surfaces**

SOURCE: Centers for Disease Control



Current Safe Practices



**Social
Distancing**



**Use of
Masks**



Vaccination



**Hand
Washing**



**Disinfecting
Surfaces**



Testing



Quarantine



Isolation

SOURCE: Adapted from the Centers for Disease Control and Enhanced by TMIT

Top 10 FAQs for Fall of 2022



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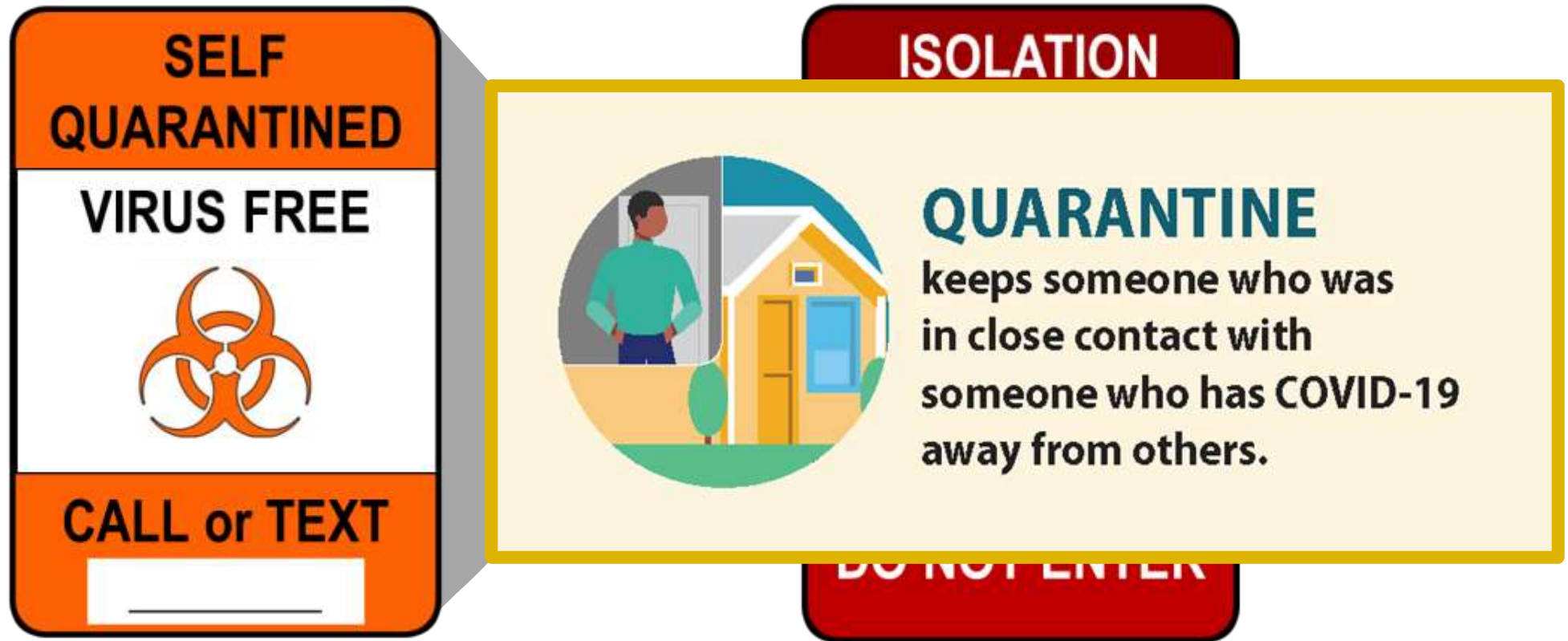


Top 10 FAQs for Fall of 2022

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Quarantine versus Isolation





QUARANTINE

Keeps someone who was in close contact with someone who has COVID-19 away from others.

Quarantine if you have been in close contact with someone who has COVID-19, unless you have been fully vaccinated and had the booster.

Quarantine versus Isolation

SELF



ISOLATION

Keeps someone who is sick or tested positive for COVID-19 without symptoms away from others, even in their own home.

**ISOLATION
AREA**



**Coronavirus
COVID-19**

DO NOT ENTER



Isolation

If you test positive for COVID-19, **stay home for at least 5 days and isolate from others in your home.**

You are **likely most infectious during these first 5 days.**

- [Wear a high-quality mask](#) if you must be around others at home and in public.
- Do not go places where you are unable to wear a mask. For travel guidance, see CDC's [Travel webpage](#).
- [Do not travel](#).
- Stay home and separate from others as much as possible.
- Use a separate bathroom, if possible.
- Take steps to [improve ventilation](#) at home, if possible.
- Don't share personal household items, like cups, towels, and utensils.
- Monitor your [symptoms](#). If you have an [emergency warning sign](#) (like trouble breathing), seek emergency medical care immediately.
- Learn more about [what to do if you have COVID-19](#).





Isolation

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You are **likely most infectious during these first 5 days.**

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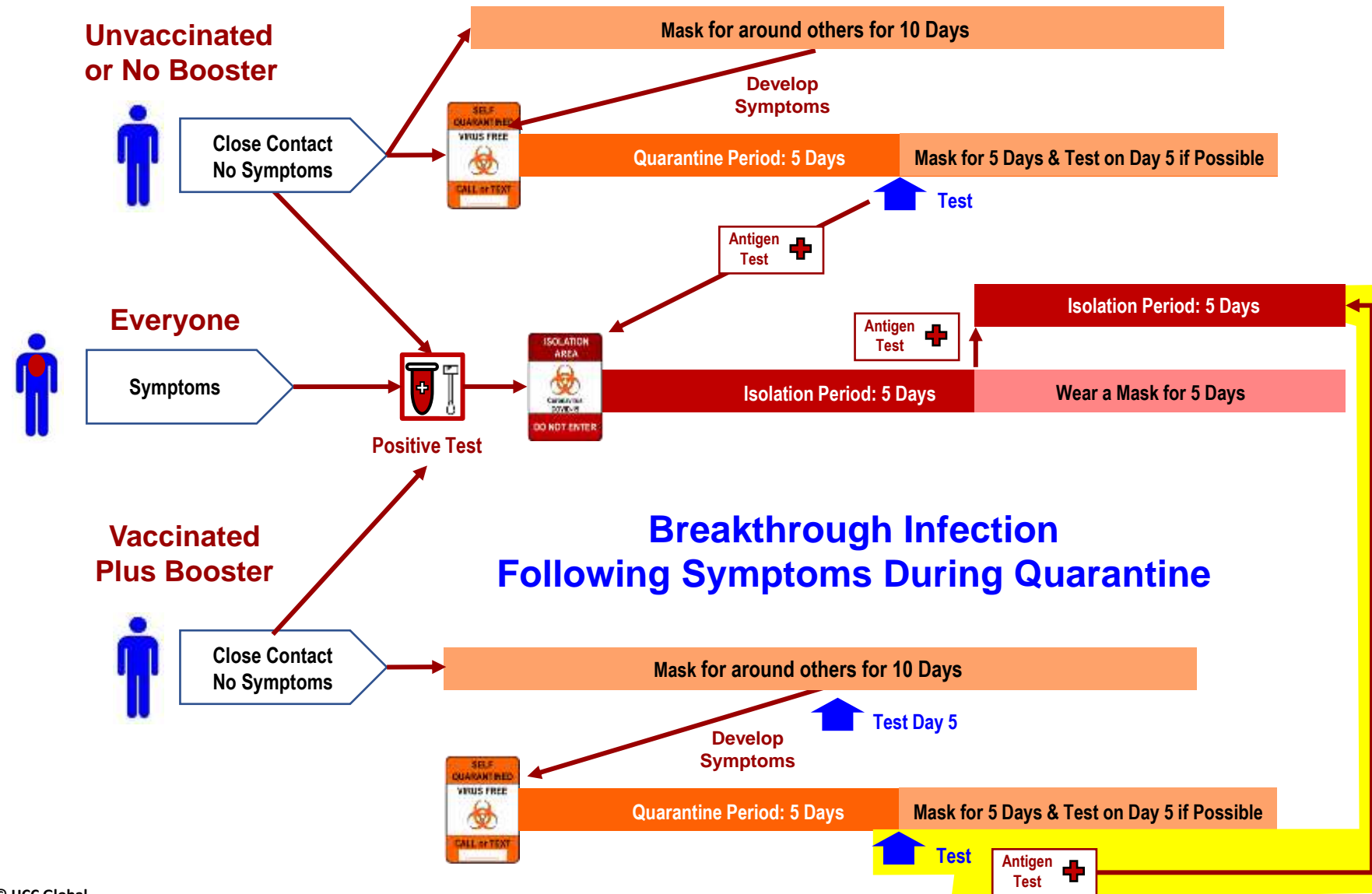
ISOLATION

Keeps someone who is sick or tested positive for COVID-19 without symptoms away from others, even in their own home.

People who are in isolation should stay home and stay in a specific “sick room” or area and use a separate bathroom (if available).



CDC Guideline Summary





CDC streamlines COVID-19 guidance to help the public better protect themselves and understand their risk

Press Release

Embargoed Until: Thursday, August 11, 2022, 3:00 PM ET

Contact: [Media Relations](#)

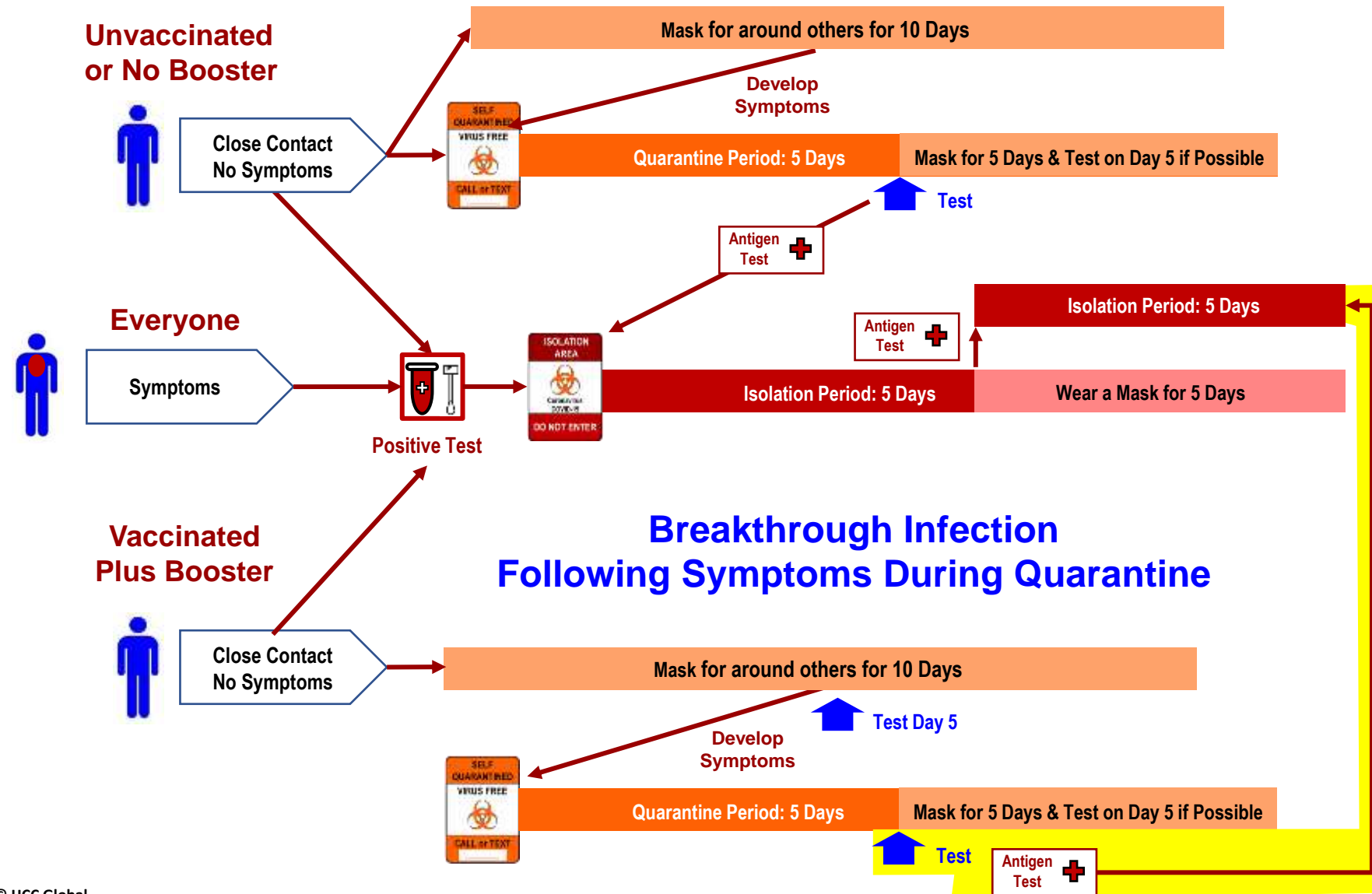
(404) 639-3286

Today, CDC is streamlining its COVID-19 guidance to help people better understand their risk, how to protect themselves and others, what actions to take if exposed to COVID-19, and what actions to take if they are sick or test positive for the virus. COVID-19 continues to circulate globally, however, with so many tools available to us for reducing COVID-19 severity, there is significantly less risk of severe illness, hospitalization and death compared to earlier in the

Source: <https://www.cdc.gov/media/releases/2022/p0811-covid-guidance.html>

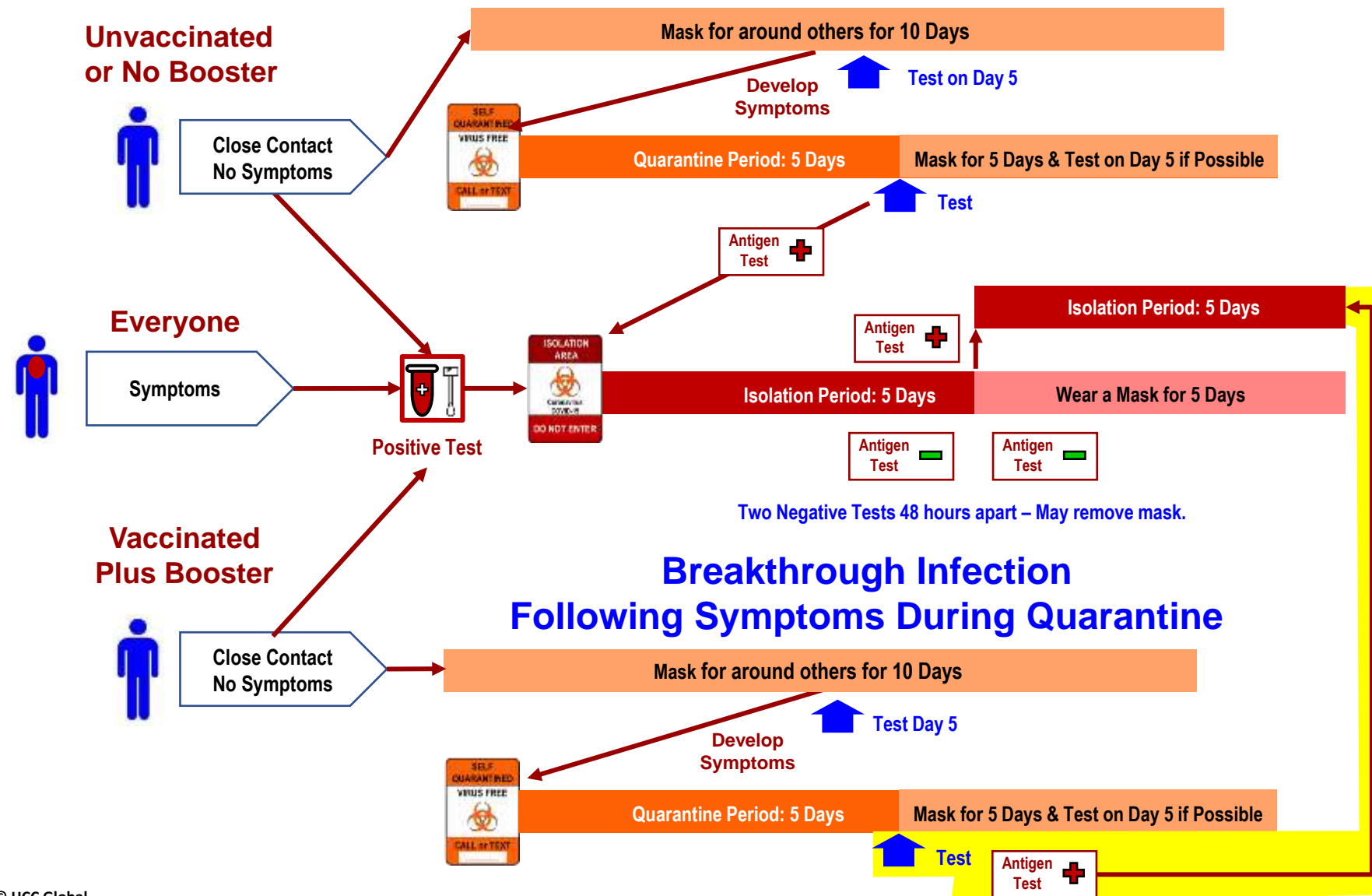


CDC Guideline Summary





CDC Guideline Summary



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10. Trusted Information - what source do I trust?



The Right Test at the Right Time






Interpreting Your Results



If Your COVID-19 Test is Positive

Any positive COVID-19 test means the virus was detected and **you have an infection**.

- Isolate and take precautions including wearing a high-quality mask to protect others from getting infected.
- Tell people you had recent contact with that they may have been exposed.
- Monitor your symptoms. If you have any emergency warning signs, seek emergency care immediately.
- Consider contacting a healthcare provider, community health center , or pharmacy to learn about treatment options that may be available to you. Treatment must be started within several days after you first develop symptoms to be effective.
 - You are more likely to get very sick if you are an older adult or have an underlying medical condition. Possible treatment may be available for you.

<https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/testing.html>





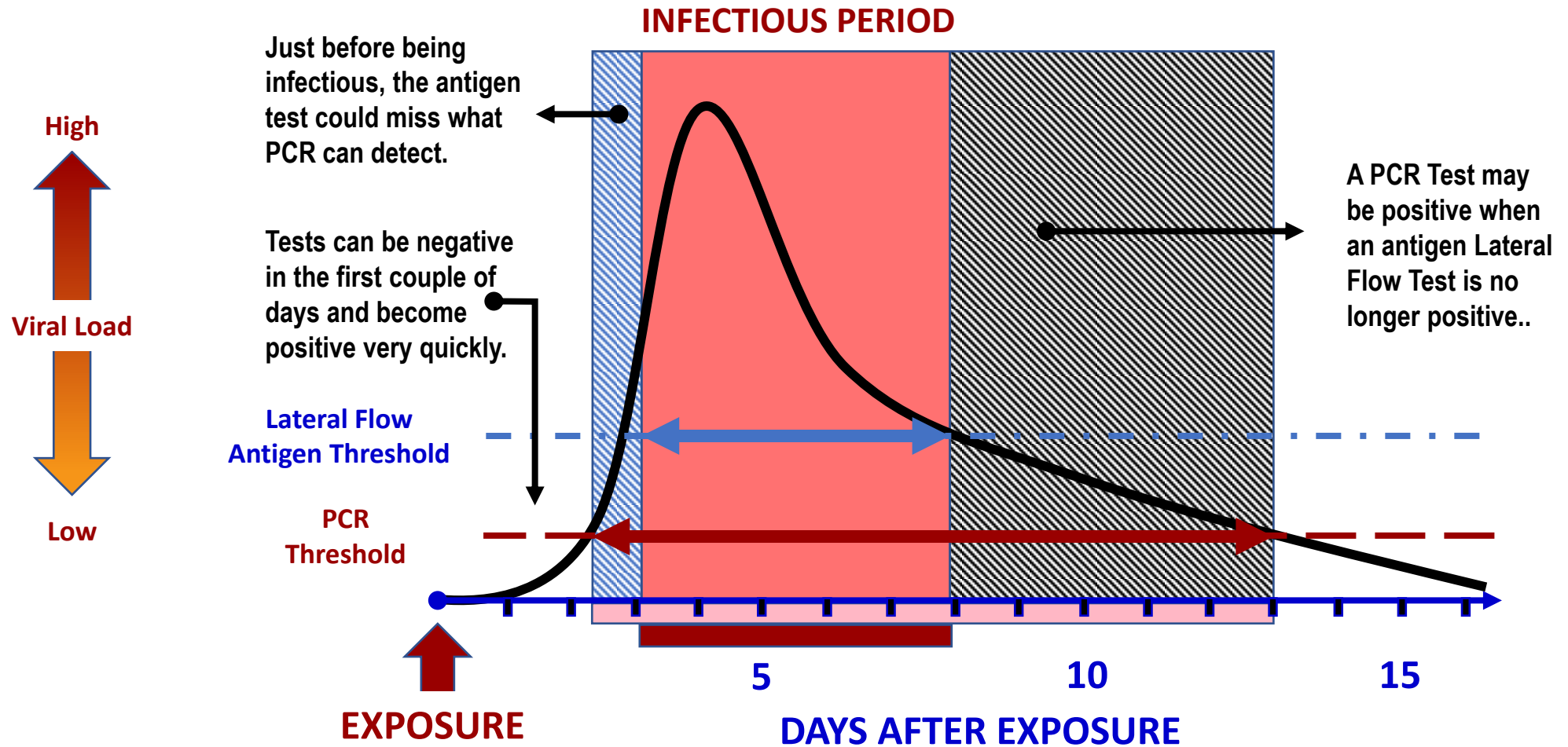
If Your COVID-19 Test is Negative

A negative COVID-19 test means the test did not detect the virus, but this **doesn't rule out that you could have an infection**. If you used an antigen test, see [FDA instructions on repeat testing](#) .

- If you have symptoms:
 - You may have COVID-19, but tested before the virus was detectable, or you may have another illness.
 - Take general public health precautions to prevent spreading an illness to others.
 - Contact a healthcare provider if you have any questions about your test result or if your symptoms worsen.
- If you do not have symptoms, but were exposed to the virus that causes COVID-19, you should continue to take recommended steps after exposure.
- If you do not have symptoms and you have not been exposed to the virus that causes COVID-19, you may return to normal activities.
 - Continue to take steps to [protect yourself and others](#), including monitoring for symptoms. Get tested again if symptoms appear.

<https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/testing.html>

The WHO, WHAT, WHEN, and HOW to TEST



Most Important Tests: PCR & Rapid Antigen

RT-PCR



Rapid Antigen



Pros and Cons of Tests

PCR



- Gold Standard for Diagnosis
- Detects Virus Before Infectious
- Detects Virus Debris after Infectious
- Tie Breaker if Antigen Tests Unclear

Rapid Antigen



- Inexpensive
- Can be done At Home
- Positive when Infectious
- Risk of False Negative Result

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Why Mask...Vaccinated or Not?

- Can I CATCH it?
- Can I SPREAD it?
- Can I GET SICK NOW?
- Can I GET LONG HAUL?

Why Mask?

Vaccination Status	CATCH it?	SPREAD It?	GET SICK NOW?	GET LONG HAUL?
Unvaccinated	Yes	Yes	Yes	Yes
Vaccinated	Yes	Yes	Yes	Yes
Youth 12-17	Yes	Yes	Yes	Yes
Children Ages 2-12	Yes	Yes	Yes	Yes

Masks: Filter, Fit, and Finish



N95 Mask



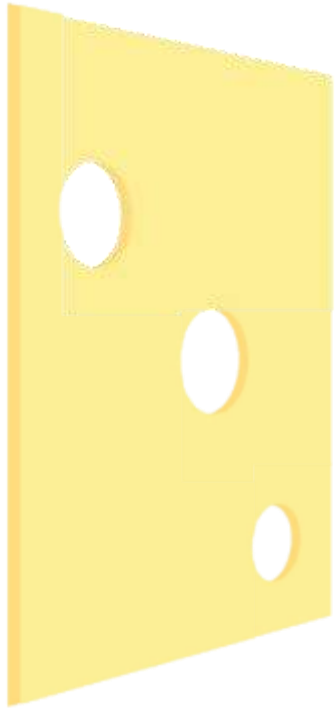
Surgical Mask



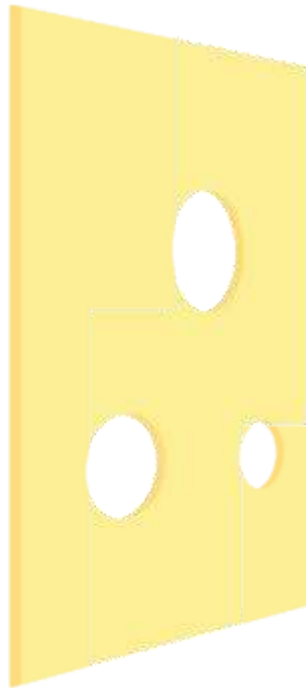
Cloth Mask

COVID Defense Strategies are Layers

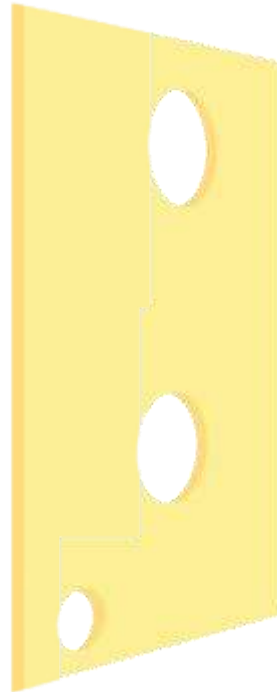
Distancing



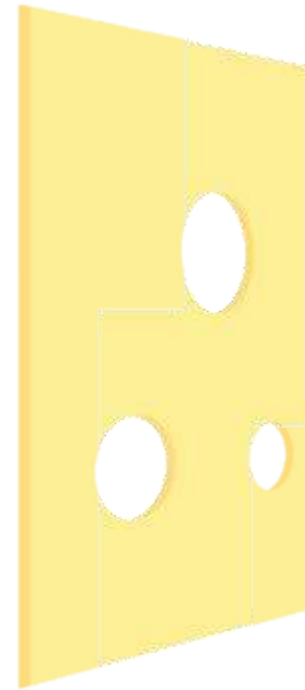
Masks



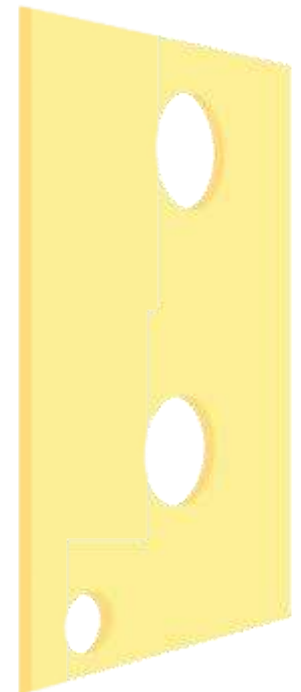
Disinfecting



Ventilation



Testing



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AMA COVID-19 Update



A video call interface showing two participants. The left participant is a man with a beard and short dark hair, wearing a dark blazer over a light blue shirt. The right participant is a man with grey hair and glasses, wearing a white lab coat over a blue shirt and a dark bow tie. The background of the left participant is a light blue wall with faint white text. The background of the right participant is a bookshelf filled with books. The interface includes a date stamp 'Aug. 4, 2022' in the bottom left, a name and title banner for 'Todd Unger, Chief Experience Officer, AMA' in the bottom center, and a logo in the bottom right corner.

Chicago

Houston

Aug. 4, 2022

 **Todd Unger**
Chief Experience Officer, AMA

AMA
COVID-19
UPDATE

CDC on COVID Booster Doses



Centers for Disease Control and Prevention
CDC 24/7: Saving Lives, Protecting People™

Emergency Preparedness and Response

Overview

During this COCA Call, presenters will discuss CDC's new guidance on bivalent COVID-19 booster doses for people ages 12 years and older, including those who are moderately or severely immunocompromised. COVID-19 vaccination provides protection against serious illness and outcomes associated with COVID-19, including emergency department or urgent care visits, hospitalizations, and death. Updated COVID-19 vaccines add an Omicron BA.4/5 spike protein component to the previous monovalent composition. These bivalent booster doses help restore protection that has waned since previous vaccination by targeting more transmissible and immune-evading variants. These boosters also broaden the spectrum of variants that the immune system is ready to respond to.

Recommendations for Bivalent COVID-19 Booster Doses in People Ages 12 Years and Older

Overview

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Presenters

Sara Oliver, MD, MSPH
CDR, U.S. Public Health Service
Lead, COVID-19 Coordinating Unit
COVID-19 Response
Centers for Disease Control and Prevention

Elisha Hall, PhD, RD
Lead, Clinical Guidelines Vaccine Policy Unit
COVID-19 Response
Centers for Disease Control and Prevention

Evelyn Twentymen, MD, MPH
Lead, COVID-19 Vaccine Policy Unit
COVID-19 Response
Centers for Disease Control and Prevention

Anne M. Hause, PhD, MSPH
v-safe Team Co-lead, Immunization Safety Office
National Center for Emerging and Zoonotic Infectious Diseases
Centers for Disease Control and Prevention

Call Details

When:
Tuesday, September 13, 2022,
2:00 PM – 3:00 PM ET

Webinar Link:
<https://www.zoomgov.com/j/1619923732>

Webinar ID: 161 992 3732

Passcode: 302404

Telephone:
US: +1 669 254 5252 or +1 646
828 7666 or +1 551 285 1373 or
+1 669 216 1590

[International numbers](#)

One-tap mobile:
US:
+16692545252,,1619923732#,,*3
02404# or
+16468287666,,1619923732#,,*3
02404#

[Add to Calendar](#)

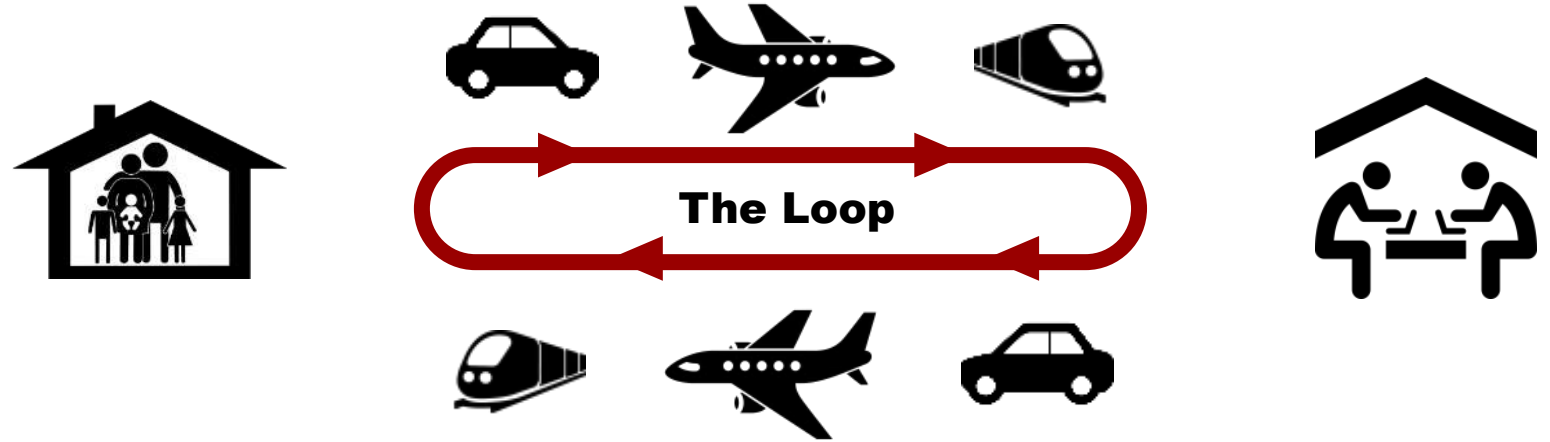
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Test to Travel Safer



- Assess Threats, Vulnerabilities and Risks
- Test Before Departure
- Maintain Safe Practices in Cars
- Practice Airport & Boarding Safety
- Practice Enroute Safety
- Repeat Airport Safety Practices
- Repeat Safe Practices in Cars
- Test Before Meeting
- Repeat Processes Going Home
- Test Upon Return Home

Save the Family...and You Save the Worker

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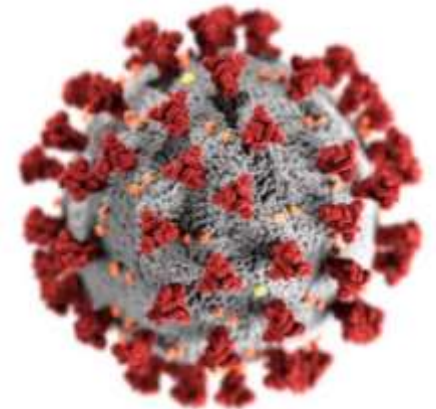


A 2022 Pediatric Update



Dr. Britteny Barto-Owens

**Community Pediatrician
Med Tac Advisor
Coronavirus Community of Practice**



Family Lifeguard Update for Fall of 2022



David Beshk

**Award Winning Educator
Med Tac Master Instructor
Eagle Scout Advisor
Merit Badge Counselor**



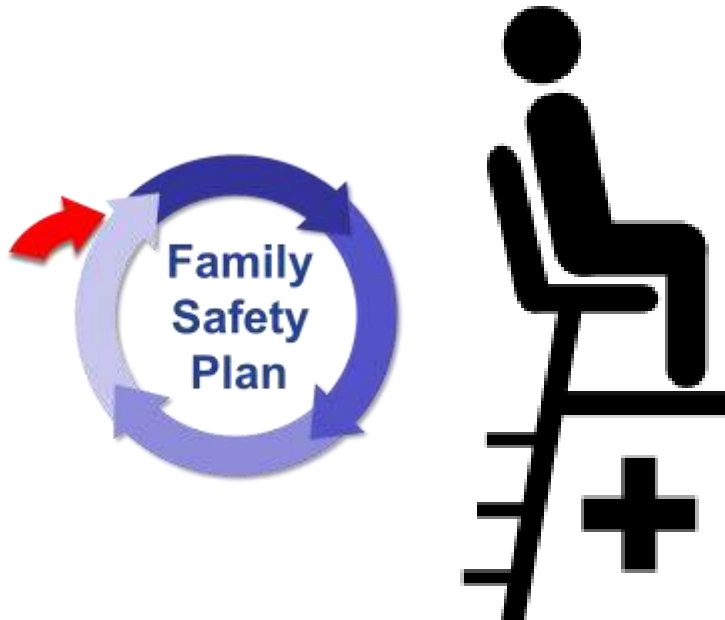
Charles R. Denham III

**High School Student
Co-founder Med Tac Bystander
Rescue Care Program
Co-lead Lifeguard Surf Program
Junior Med Tac Instructor
Certified Lifeguard**



Be Your Family Lifeguard

90% Prevention and 10% Rescue



Family Huddle Checklist

The Goal - Prevent Bubble Trouble

Maintain the Four Pillars: Distance, Mask Use, Hand Hygiene, and Disinfect Surfaces.

Before Event:

- ☐ Consider Rapid Antigen Testing
- ☐ Identify how to Optimize Ventilation
- ☐ Determine how to protect At-Risk Members
- ☐ Assign Tasks to Family Members
- ☐ Prepare Separate Family Bubble Portions
- ☐ Set Up Handwashing Stations
- ☐ Develop a Bathroom Plan
- ☐ Prepare Bathroom – Optimize Ventilation
- ☐ Maintain Kitchen Hygiene

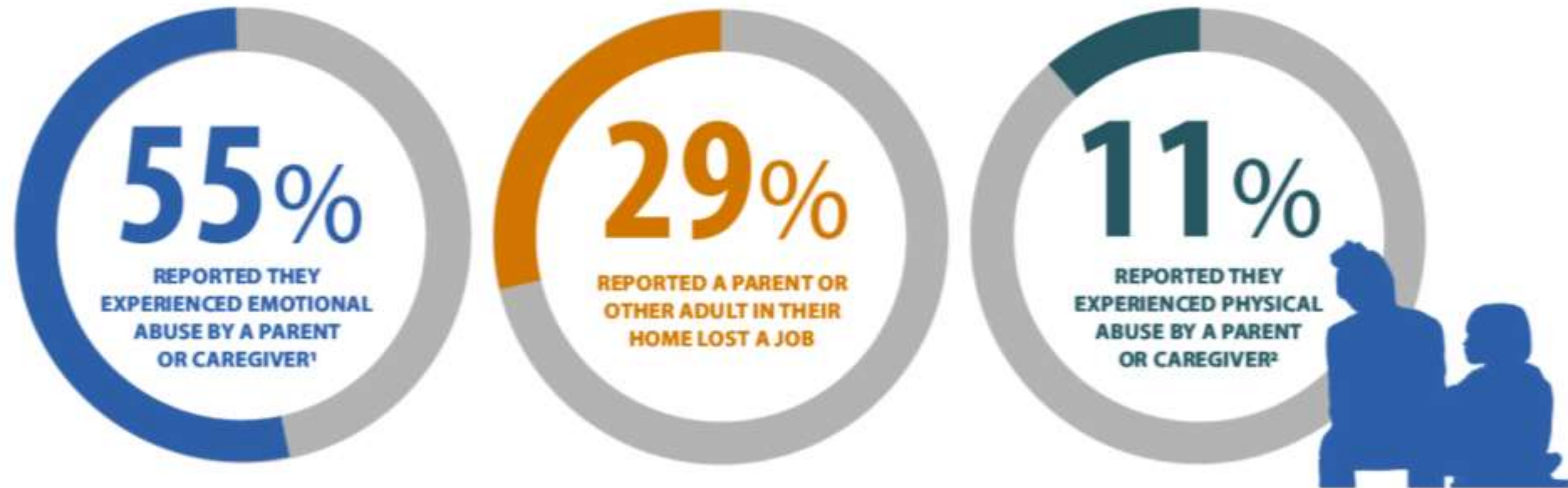
During Event:

- ☐ Convene Holiday Huddle with Guests
- ☐ Opening Prayer
- ☐ Describe Safe Family Bubbles
- ☐ Review Four Safety Pillars
- ☐ Provide Restroom Plan
- ☐ Describe Eating Plan
- ☐ Summarize Clean Up Plan

After Event:

- ☐ Glove up to Clean Up
- ☐ Soak Plates and Cutlery in Soapy Water
- ☐ Wipe down surfaces touched by guests
- ☐ Wipe down bathroom used by guests
- ☐ Meet to de-brief to be safer next time

CDC DATA GIVE MORE INSIGHT INTO SEVERE CHALLENGES U.S. YOUTH HAVE ENCOUNTERED DURING COVID-19



¹ Parent or other adult in the home swearing at, insulting, or putting down the student

² Parent or other adult in the home hitting, beating, kicking or physically hurting the student

For more information, visit
cdc.gov/nchhstp/newsroom



U.S. Department of
Health and Human Services
Centers for Disease
Control and Prevention

Holidays, Spring Break, Ski Week, and Vacations



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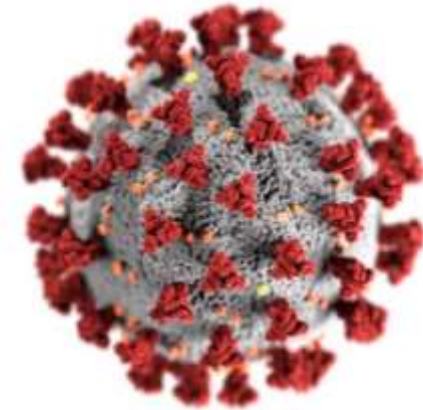


Family Lifeguard Update for 2022



David Beshk

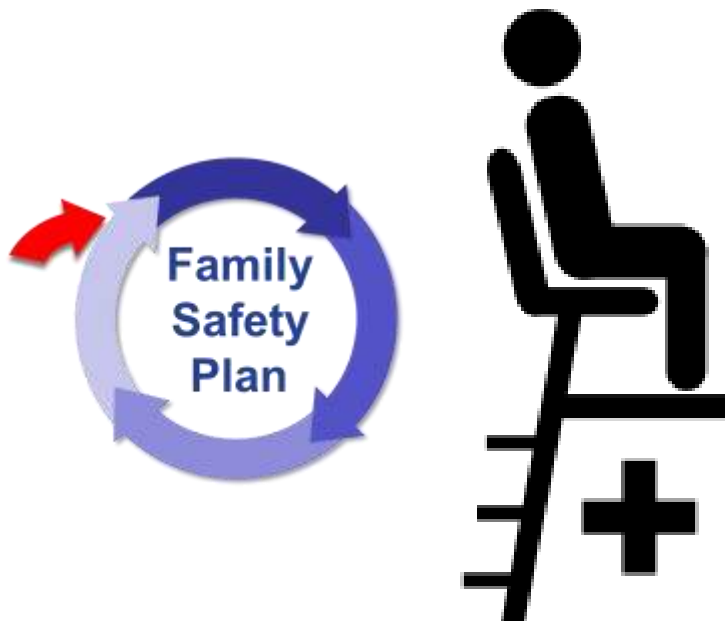
**Award Winning Educator
Med Tac Master Instructor
Eagle Scout Advisor
Merit Badge Counselor**



What's New for 2022

90% Prevention and 10% Rescue

**Community Immunity
& Aerosol Transmission**



Holiday Huddle Checklist

The Goal - Prevent Bubble Trouble

Maintain the Four Pillars: Distance, Hand Hygiene, Disinfect Surfaces, and Mask Use

Before Event:

- ☐ Know Vaccination Status of Guests
- ☐ Know Threat Status of Guests
- ☐ Assign Tasks to Family Members
- ☐ Prepare Separate Family Bubble Portions
- ☐ Set Up Handwashing Stations
- ☐ Develop a Bathroom Plan
- ☐ Prepare Bathroom – Optimize Ventilation
- ☐ Maintain Kitchen Hygiene

During Event:

- ☐ Convene Holiday Huddle with Guests
- ☐ Opening Prayer
- ☐ Describe Safe Family Bubbles
- ☐ Review Four Safety Pillars
- ☐ Protect At-risk Guests – Apply the Pillars
- ☐ Provide Restroom Plan
- ☐ Describe Eating Plan
- ☐ Summarize Clean Up Plan

After Event:

- ☐ Glove up to Clean Up - Optional
- ☐ Soak Plates and Cutlery in Soapy Water
- ☐ Wipe down surfaces touched by guests
- ☐ Wipe down bathroom used by guests
- ☐ Meet to de-brief to be safer next time



Holiday Huddle Checklist

The Goal - Prevent Bubble Trouble

Maintain the Four Pillars: Distance, Hand Hygiene, Disinfect Surfaces, and Mask Use

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Emergency Checklist:

✓ Medical Power of Attorney

✓ Medical Power of Attorney



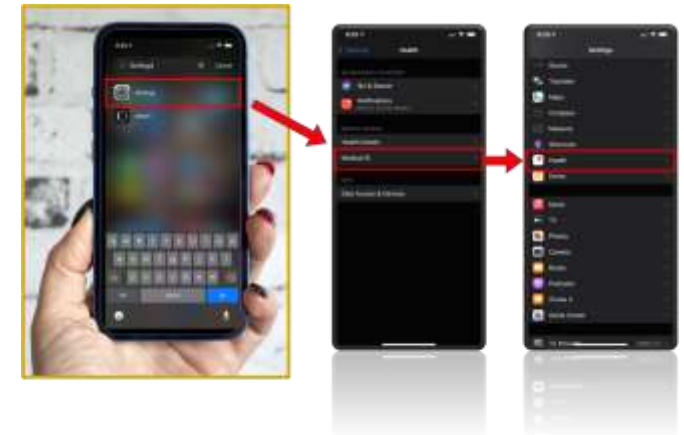
Emergency Checklist:

- ✓ Medical Power of Attorney
- ✓ Smartphone ICE Notification

✓ Medical Power of Attorney



✓ Smartphone ICE Notification



Emergency Checklist:

- ✓ Medical Power of Attorney
- ✓ Smartphone ICE Notification
- ✓ Know Emergency Providers

✓ Medical Power of Attorney



✓ Smartphone ICE Notification



✓ Know Emergency Providers



Emergency Checklist:

- ✓ Medical Power of Attorney
- ✓ Smartphone ICE Notification
- ✓ Know Emergency Providers
- ✓ Medical Record Access

✓ Medical Power of Attorney



✓ Smartphone ICE Notification

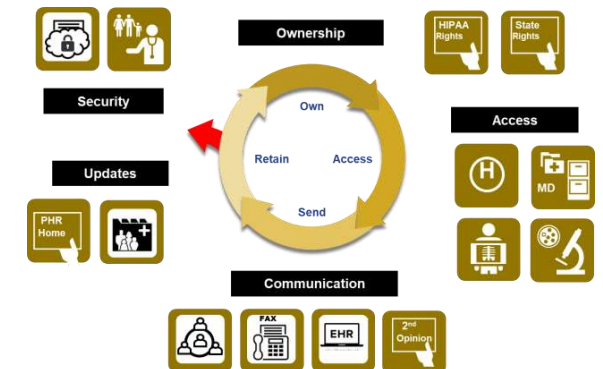


✓ Know Emergency Providers



✓ Medical Record Access

The 5 Rights of Medical Records™



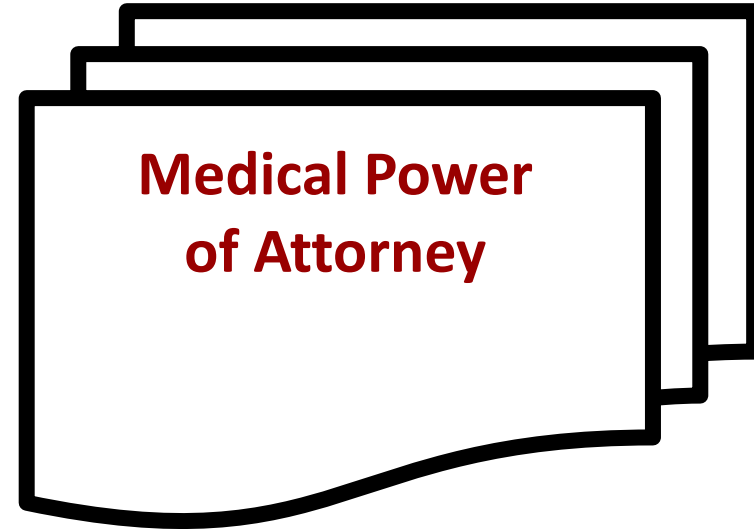
Emergency Checklist:

✓ Medical Power of Attorney

- ☐ Smartphone ICE Notification
- ☐ Know Emergency Providers
- ☐ Medical Record Access

✓ Medical Power of Attorney

- Over 18 Years of Age – Parents Out
- The Immunocompromised
- Seniors



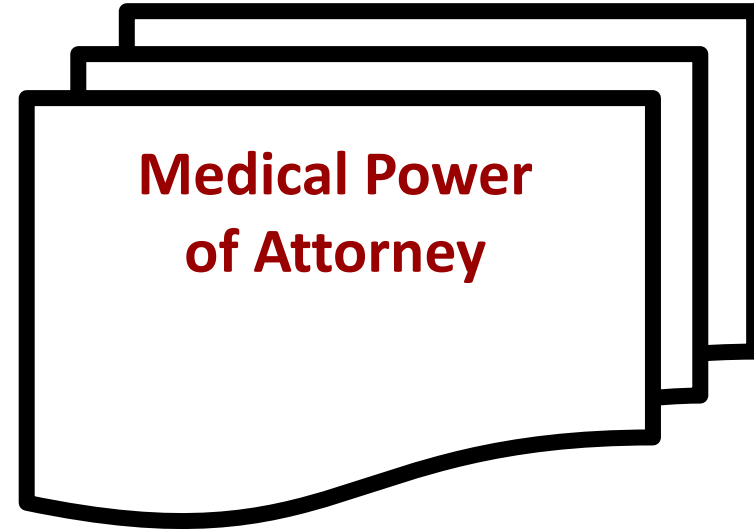
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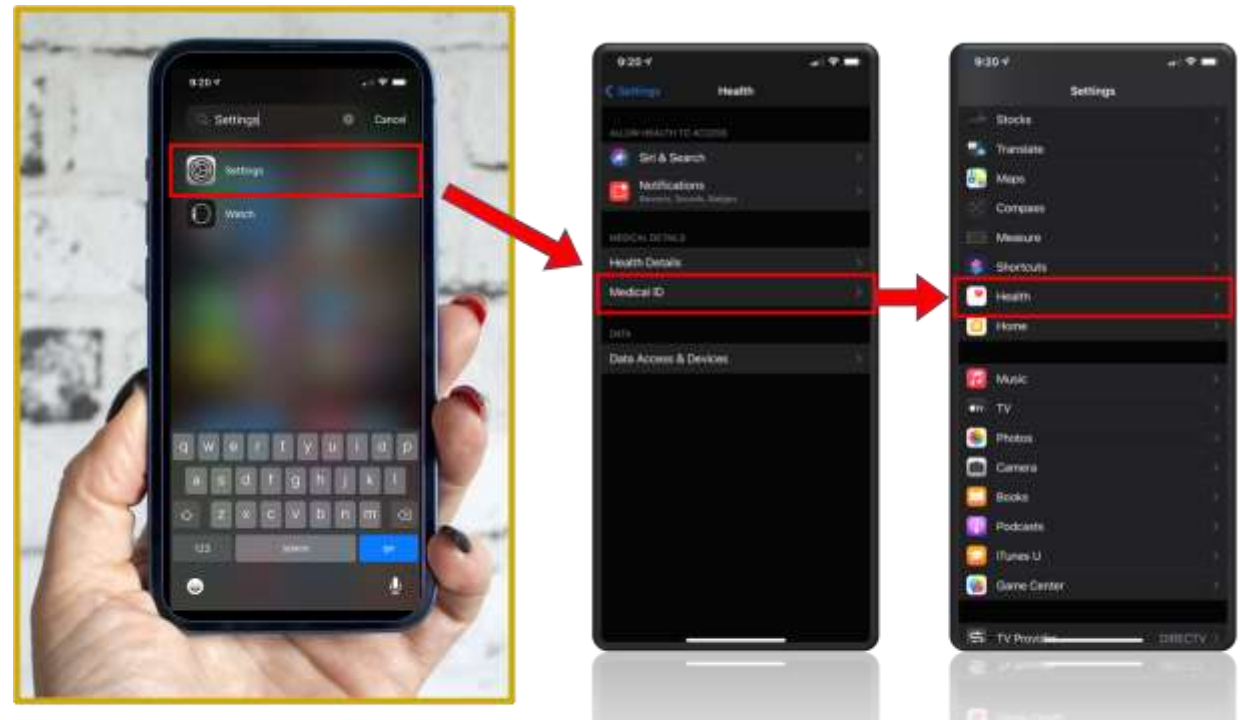
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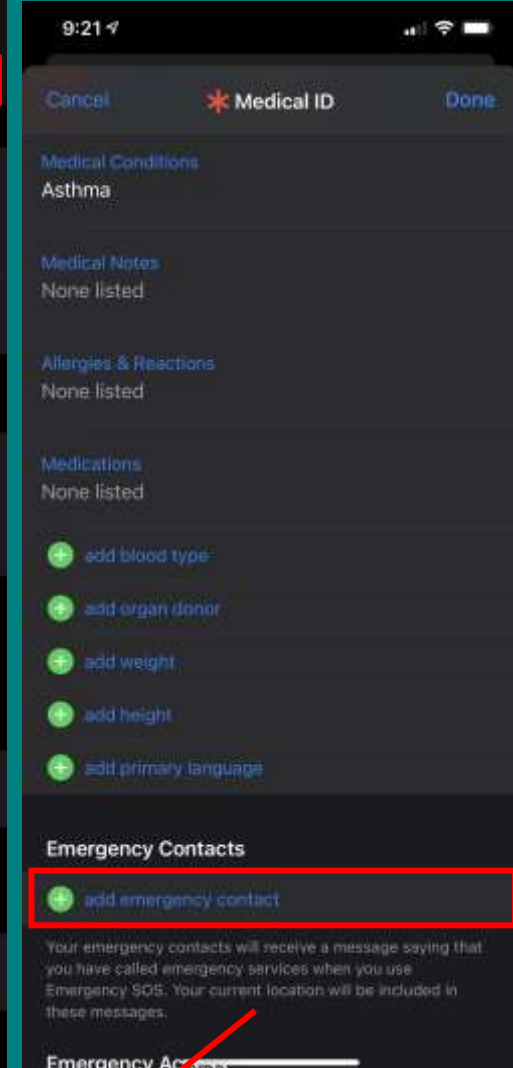
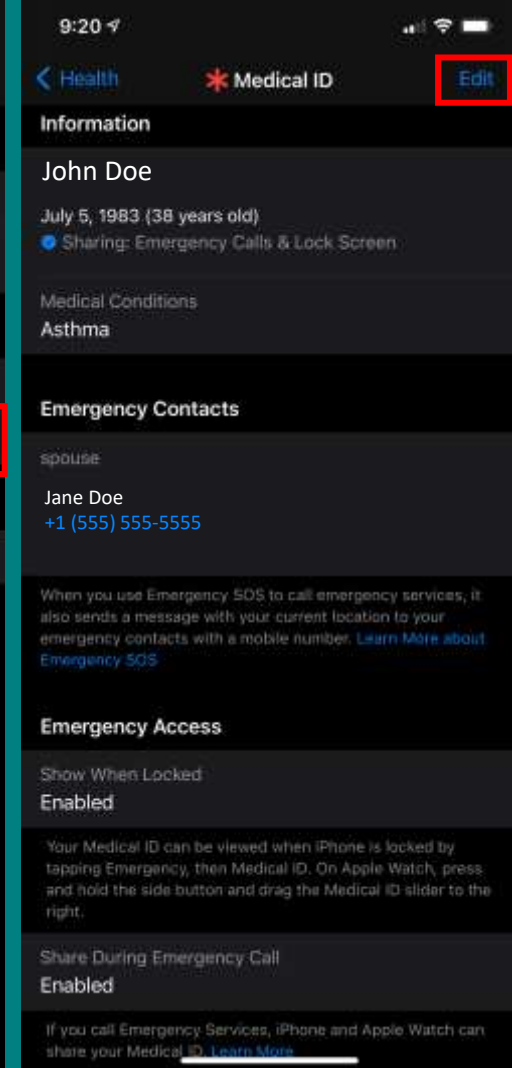
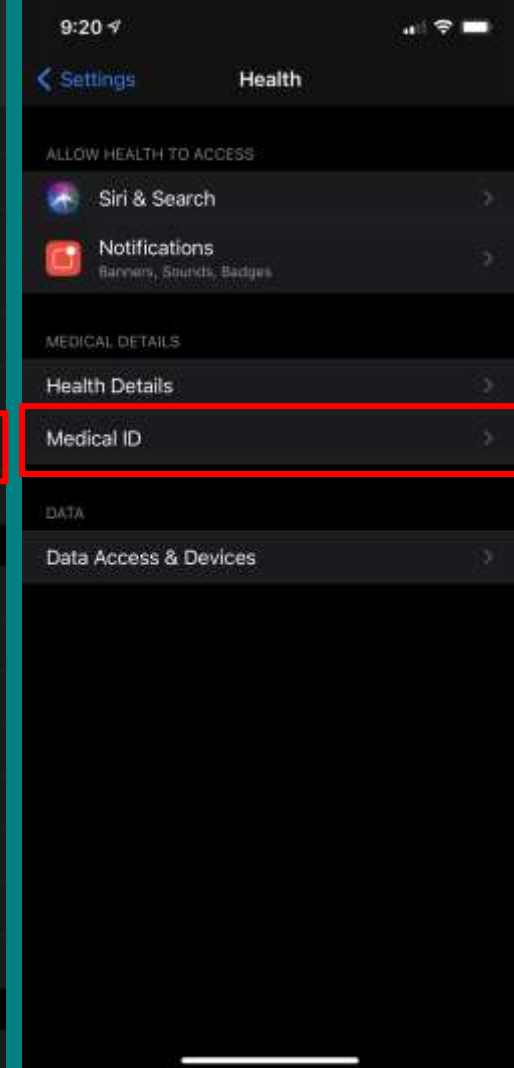
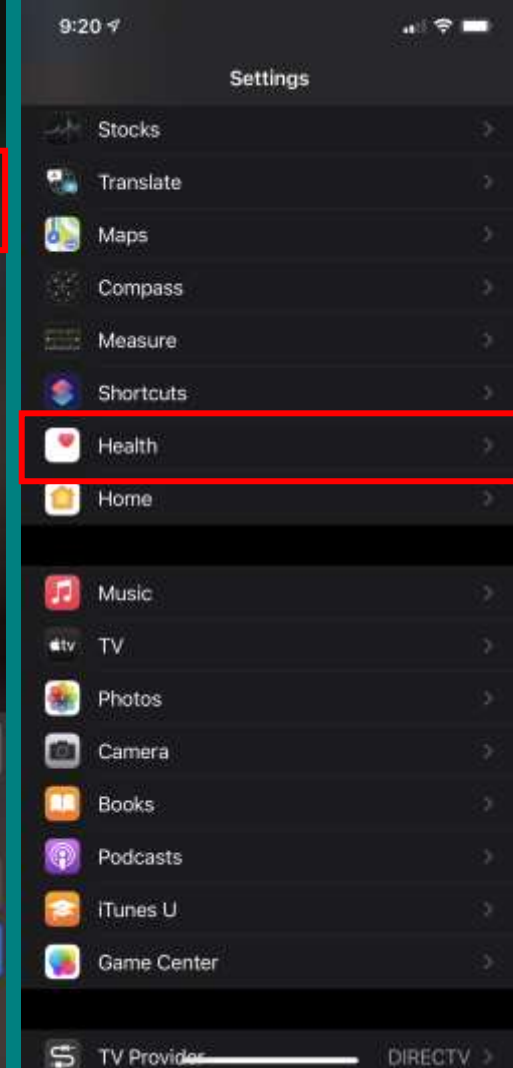
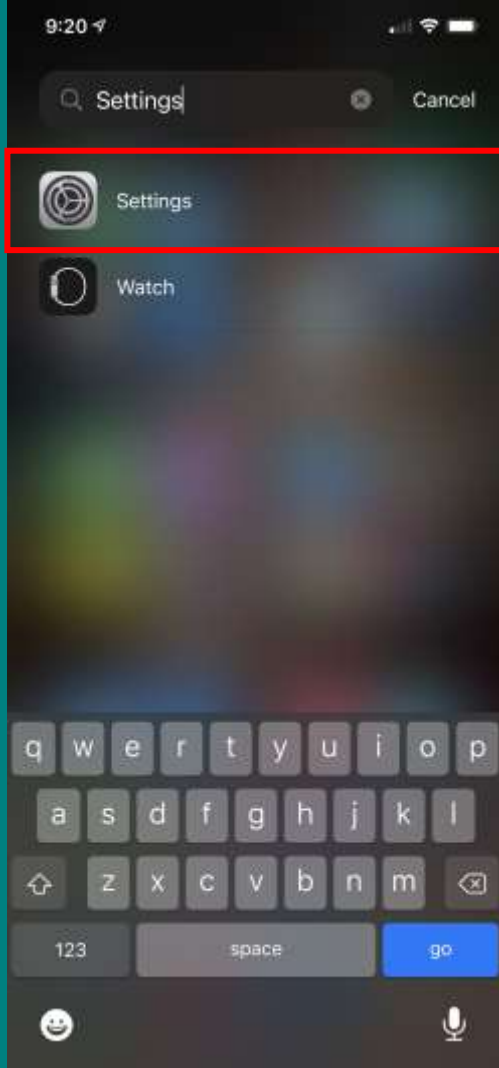
✓ Smartphone ICE Notification

- Record In Case of Emergency Contacts
- Set ICE to be automatically notified
- Train everyone to dial 911 with victim's phone

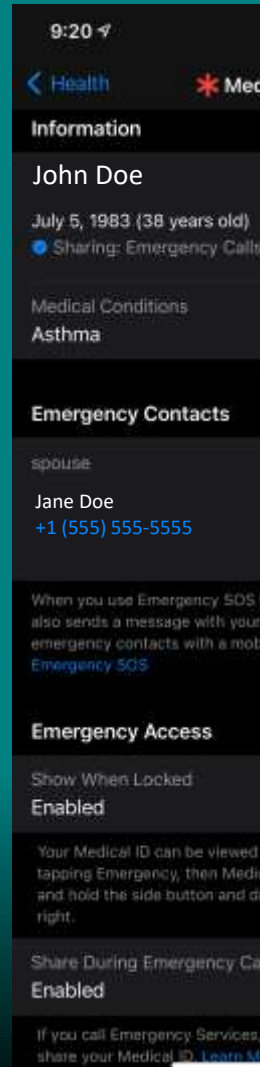
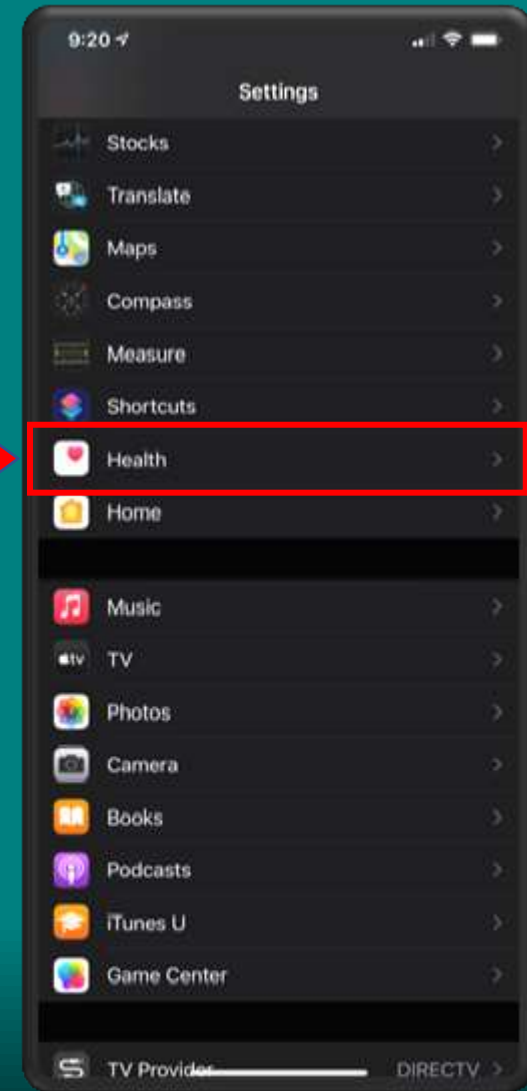
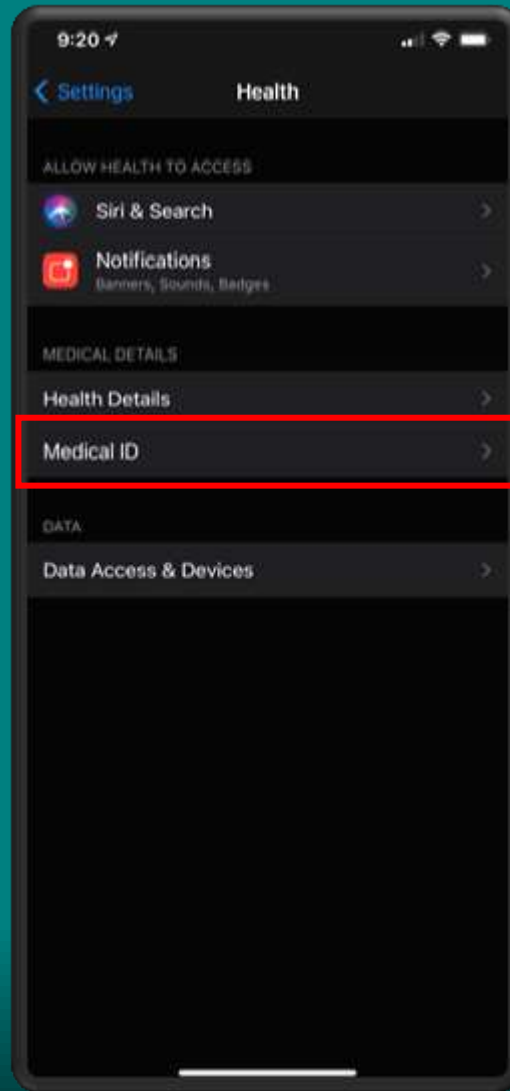
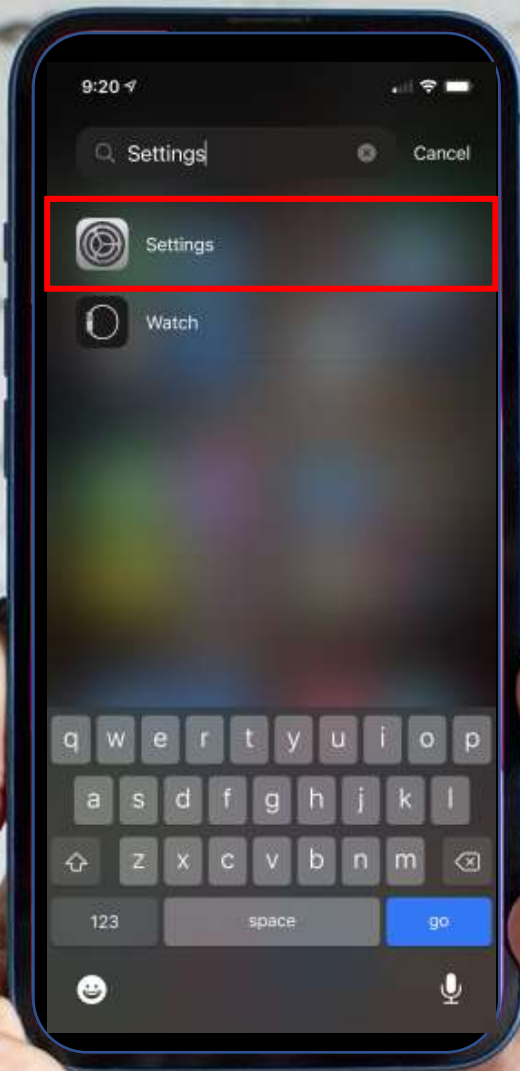


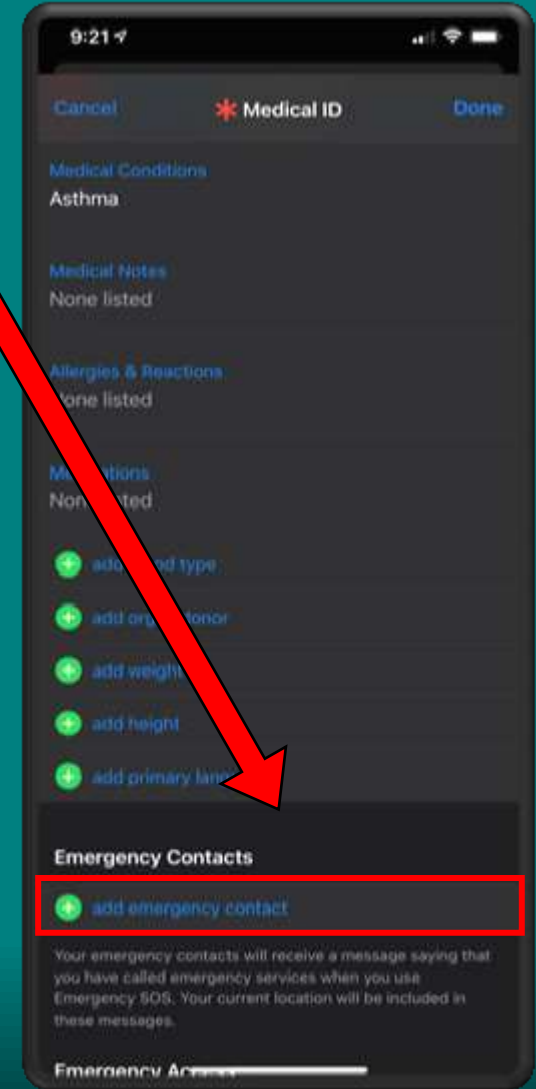
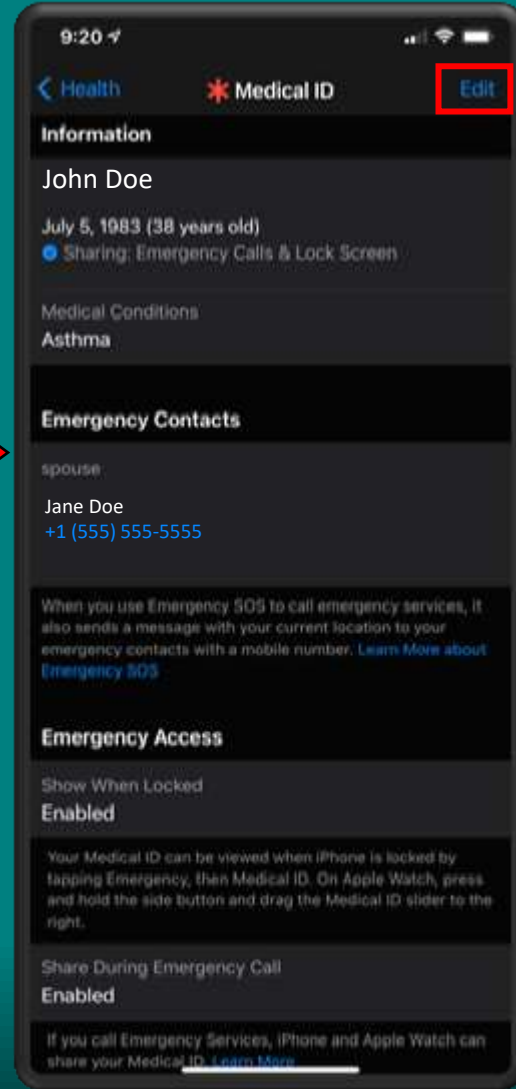
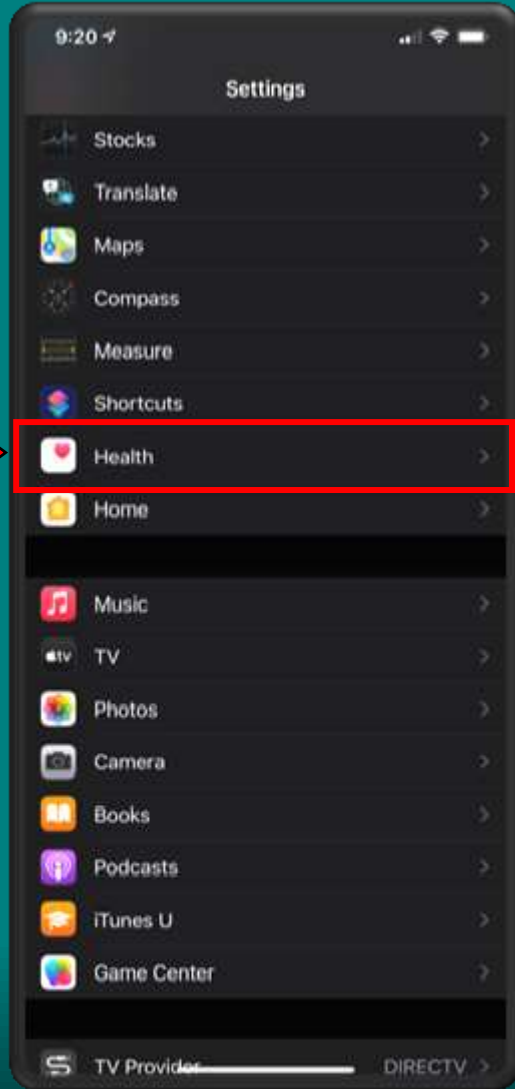
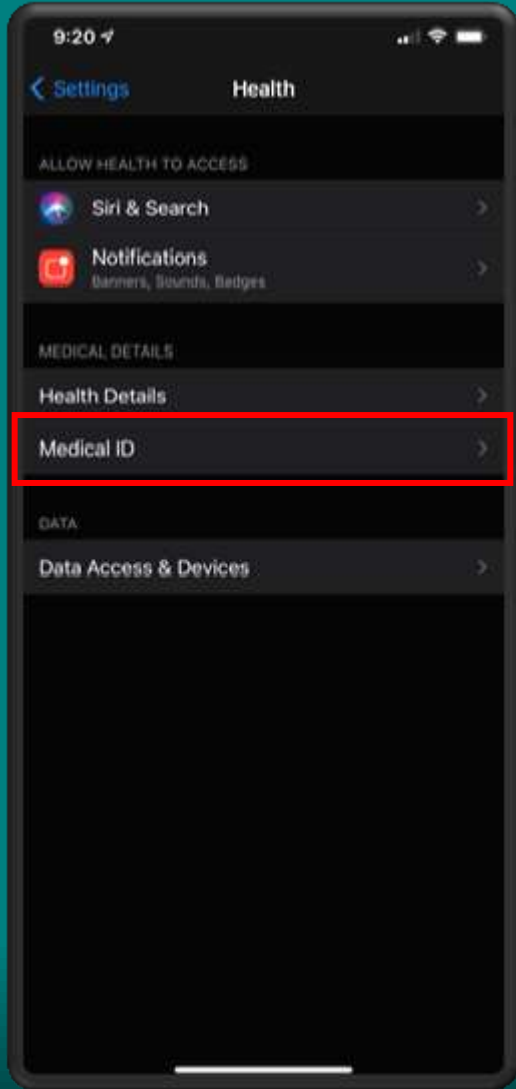
- ✓ **Medical Power of Attorney**
- ✓ **Smartphone ICE Notification**
- ✓ **Know Emergency Providers**
- ☐ **Medical Record Access**

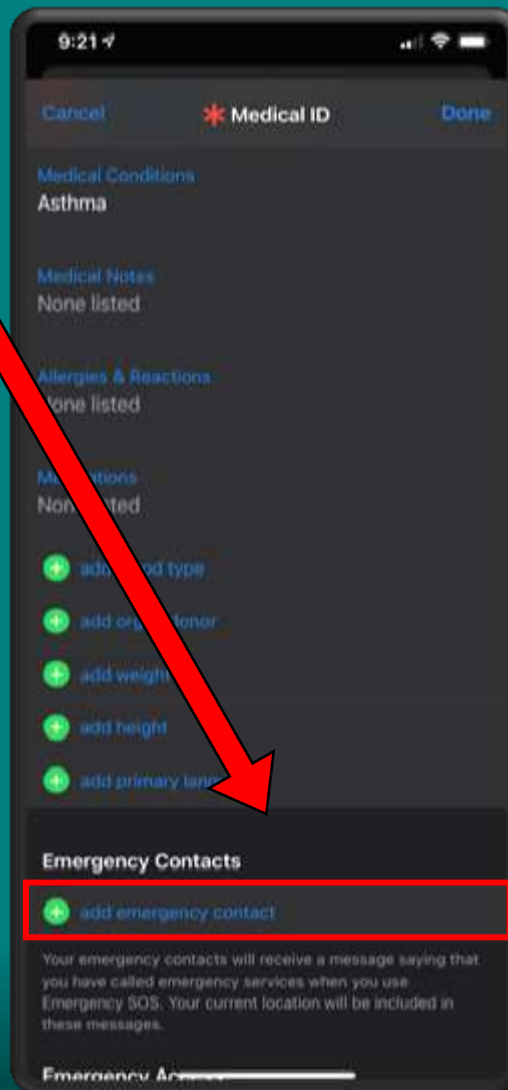
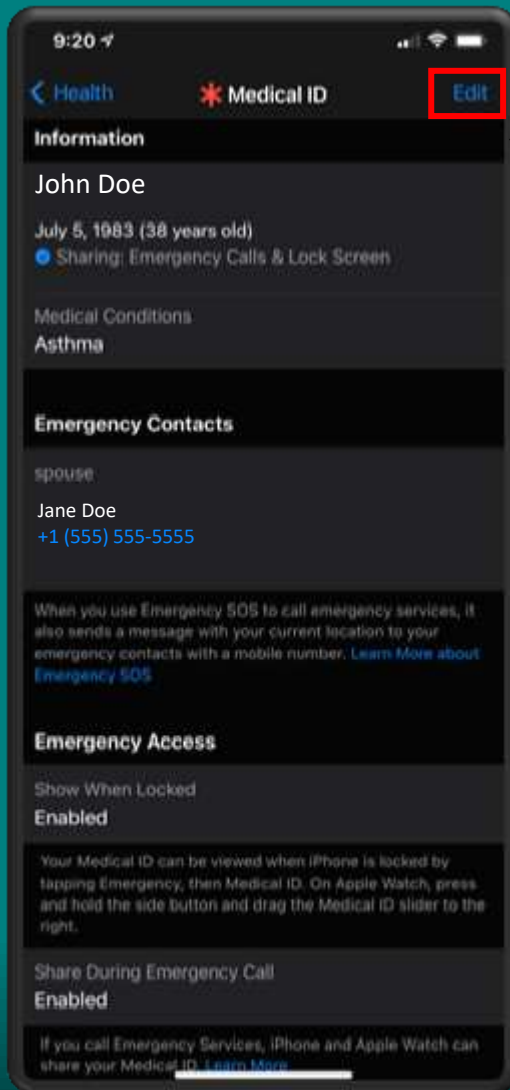
-



Your emergency contacts will receive a message saying that you have called emergency services when you use Emergency SOS. Your current location will be included in these messages.







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+ add emergency Contact

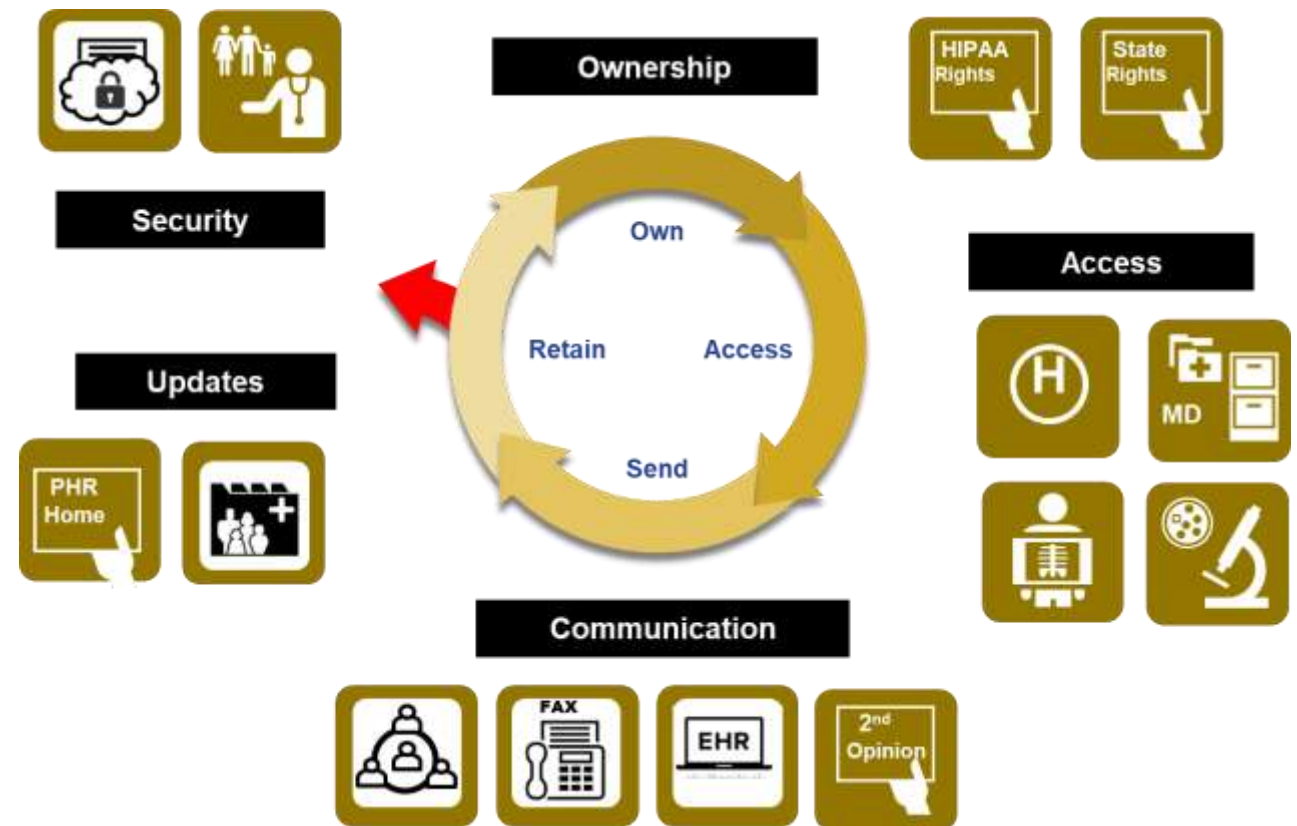
Your emergency contacts will receive a message saying that you have called emergency services when you use Emergency SOS. Your current location will be included in these messages.

Emergency Checklist:

- ✓ Medical Power of Attorney
- ✓ Smartphone ICE Notification
- ✓ Know Emergency Providers
- ✓ Medical Record Access

✓ Medical Record Access

The 5 Rights of Medical Records™



Top 10 FAQs for Fall of 2022



1. Quarantine & Isolation - what's the latest?

2. Testing - what test and when?

3. Masks - who, what, and when do I use them

4. Vaccinations - what do I do now?

5. Travel - what is the safest approach?

6. Kids & Youth- what's the latest?

7. College Students - what are the unique threats?

8. Family Safety Plans - what are important updates?

9. How do I deal with Emergencies?

10. Trusted Information - what source do I trust?



1,000 Worker Study

The 5 R's of Safety



HEAD



HEART



HANDS



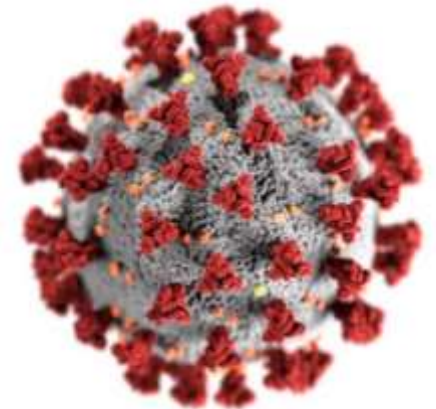
VOICE

The Next Normal: Our Family Safety Plan



Gregory H. Botz, MD, FCCM

**Professor of Anesthesiology and Critical Care
UT MD Anderson Cancer Center, Houston, TX
Adjunct Clinical Professor, Department of
Anesthesiology
Stanford University School of Medicine,
Stanford, CA**



Family Health Safety Plans

Readiness: Preparation, regular review, and updating of a plan based on the latest science. Regular deliberate practice of roles and skills each family member undertake.

Readiness

Resilience

Resilience: Fortify response, rescue, and recovery actions in plan. In law enforcement and healthcare, we call this “target hardening”.

Response

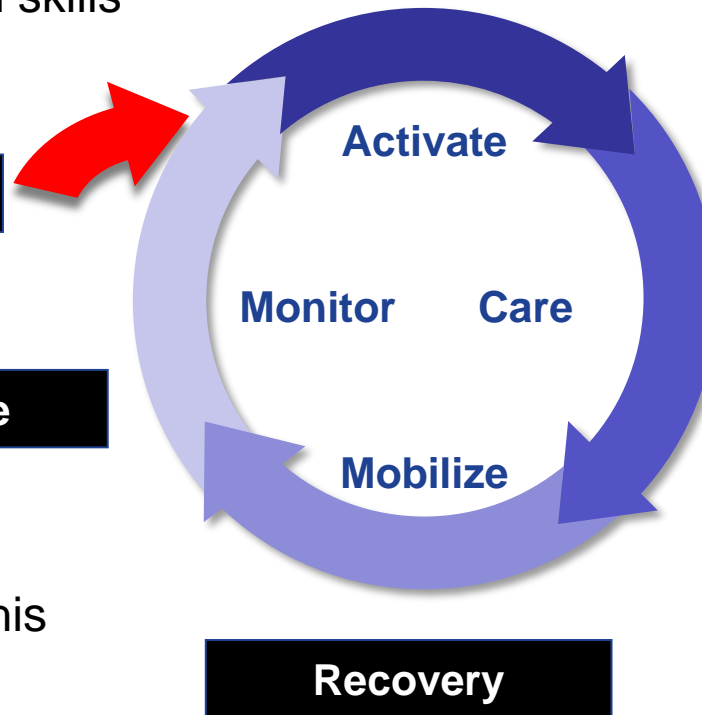
Response: Family moves to action to respond to an emergency. Safeguards are put in place. The family may respond to a member being infected or exposed to someone infected.

Rescue

Rescue: Regular deliberate practice of roles and skills to take a loved one to the Emergency Department if they have severe symptoms. This means having records and medications ready go with the patient.

Recovery

Recovery: Follow up care of the family member after an event. Returning to normal family activities after a family member is infected and isolated, hospitalized, or under quarantine.”

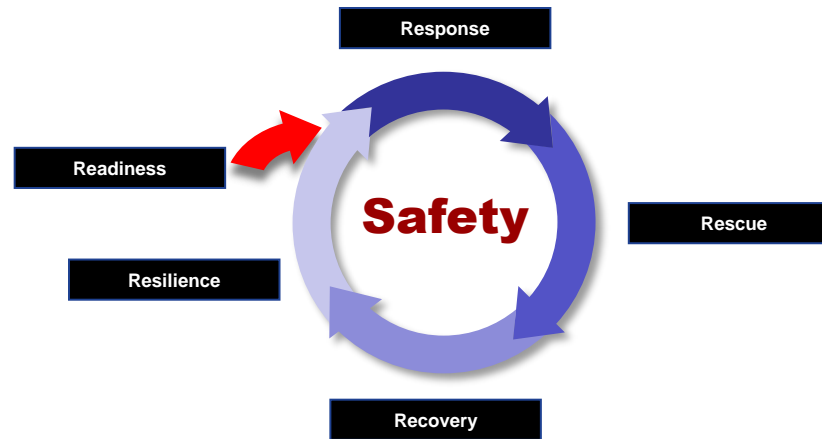


THE UNIVERSITY OF TEXAS
MD Anderson
~~Cancer Center~~

Family Rescue R&D



Stanford
University



UCSF
University of California
San Francisco



UF | UNIVERSITY of
FLORIDA

UT Southwestern
Medical Center



NEW CNN REPORTING

LONG-COVID TREATMENT USES VIDEO GAME TO IMPROVE BRAIN FOG

TONIGHT ON CNN

CNN SPECIAL REPORT
**THE BABY
BUSINESS**

**9^P
ET**



NEW DAY

Top 10 FAQs for Fall of 2022



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9. **How do I deal with Emergencies?**
10. Trusted Information - what source do I trust?

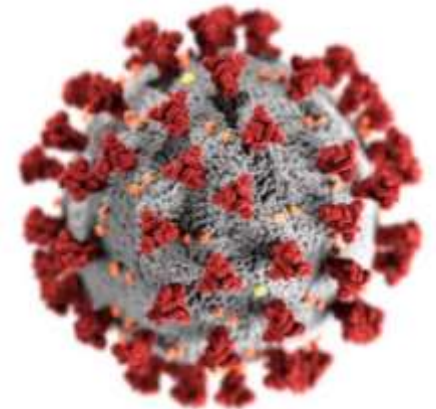


Message to Families – An Update for Fall of 2022



Christopher Peabody MD MPH

**Associate Professor
Emergency Medicine
Director Acute Care
Innovation Center
University of California
San Francisco**



Video 6 Minutes

Video Library

Med Tac Story

Med Tac Leadership Team

Adopt a Cove Program

5 Rights of Emergency Care

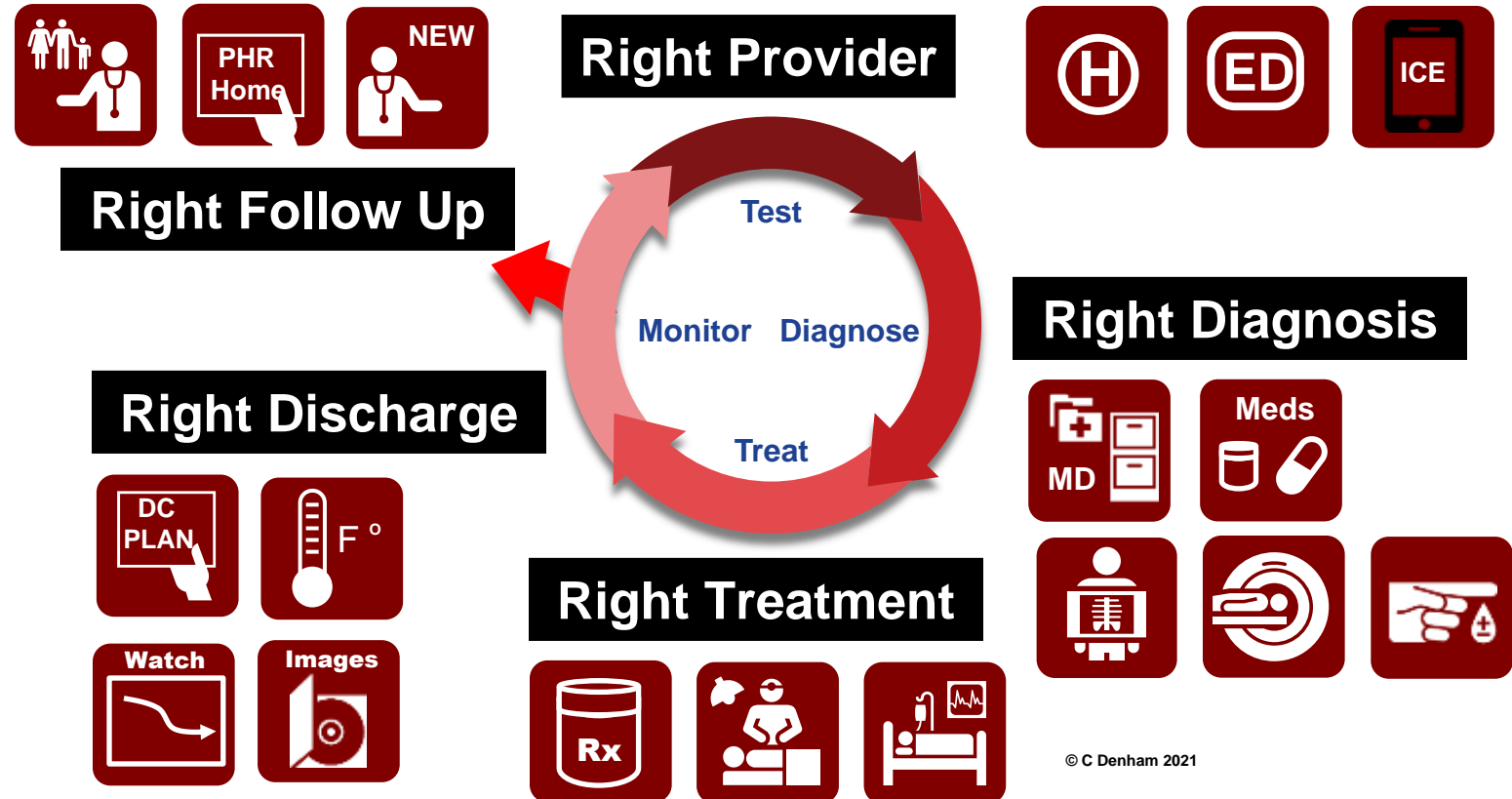
College and Youth Program

Surf & Lifeguard Program

3 Minutes & Counting Trailer

Opioid Overdose Briefing

The 5 Rights of Emergency Care™



CareUniversity®



**TMIT Global
Research Test Bed**



SafetyLeaders®

Certificates for Med Tac Program



AMERICAN COLLEGE OF SURGEONS
*Inspiring Quality:
Highest Standards, Better Outcomes*

100+years



**American
Heart
Association®**

Heartsaver® First Aid CPR AED

Top 10 FAQs for Fall of 2022



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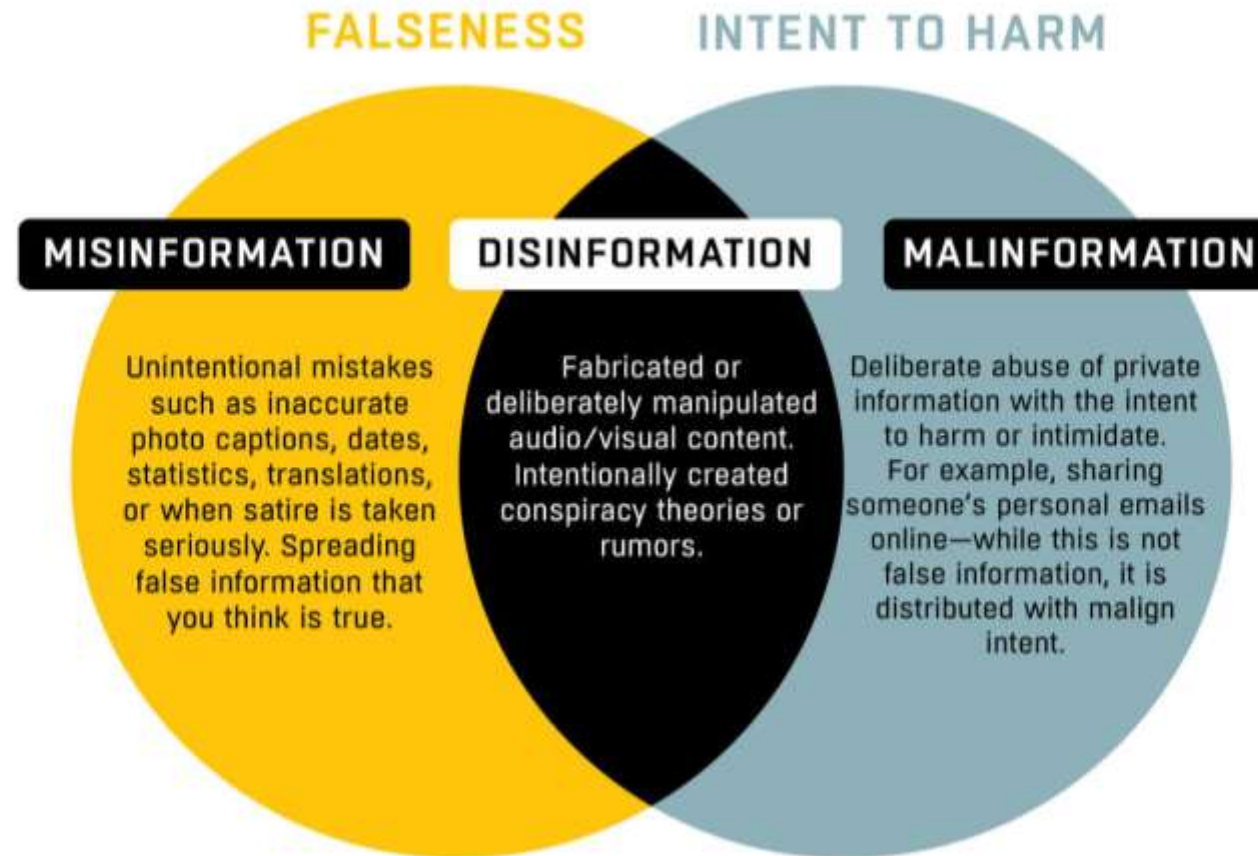
The Narrative and Competing Narratives



The **NARRATIVE** is the story that is told that makes sense of a version of the facts that support the argument made by an organization or individual. Attorneys will take advantage of the existence or absence of documentation to support their clients. It is critical that patients manage their medical documentation and supplement it to protect themselves.

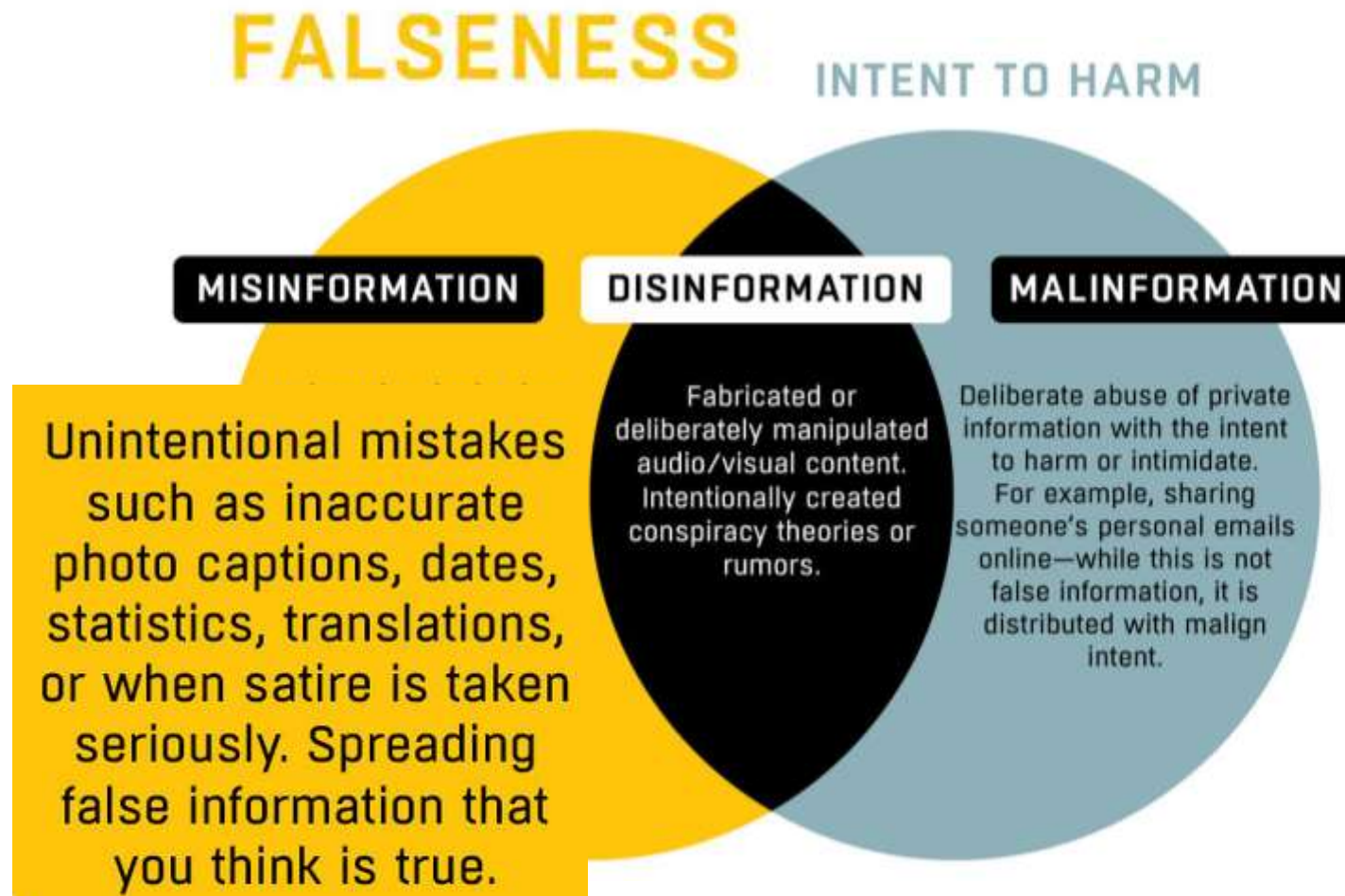


Misinformation – Disinformation - Malinformation



Turn the Science into Safety™

Misinformation – Disinformation - Malinformation

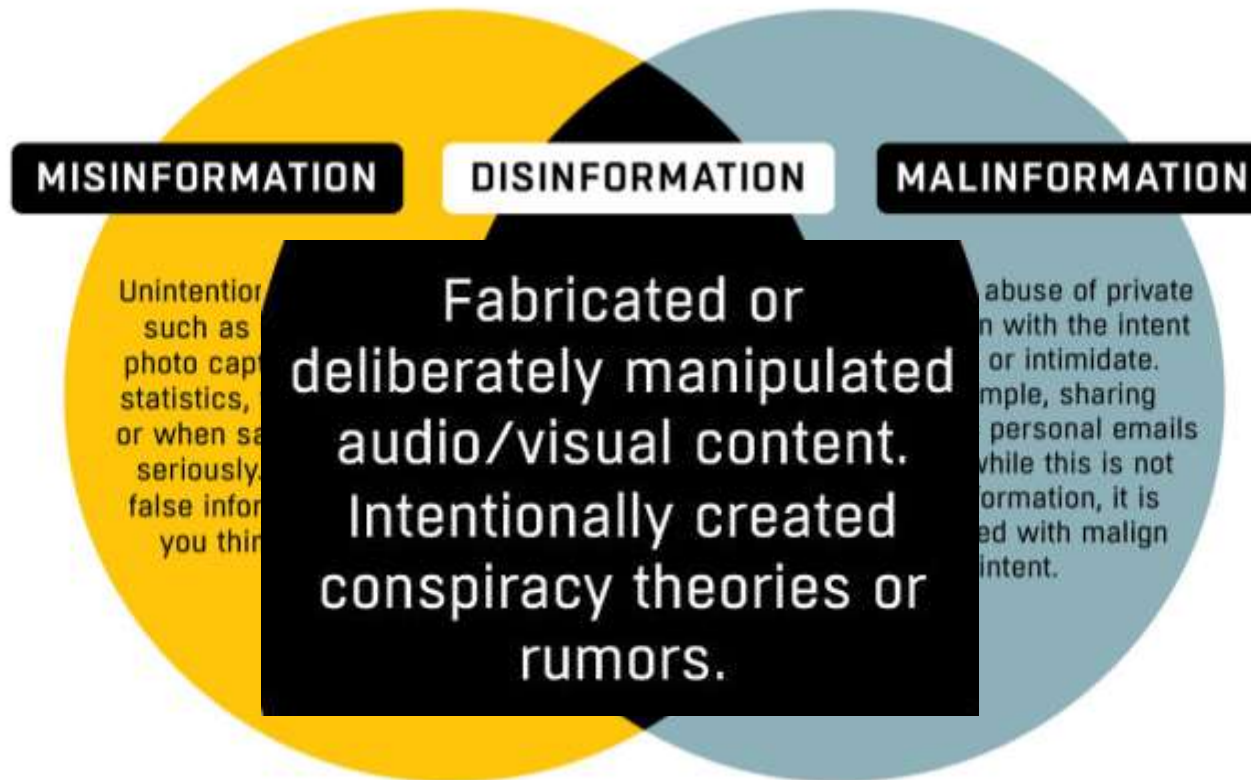


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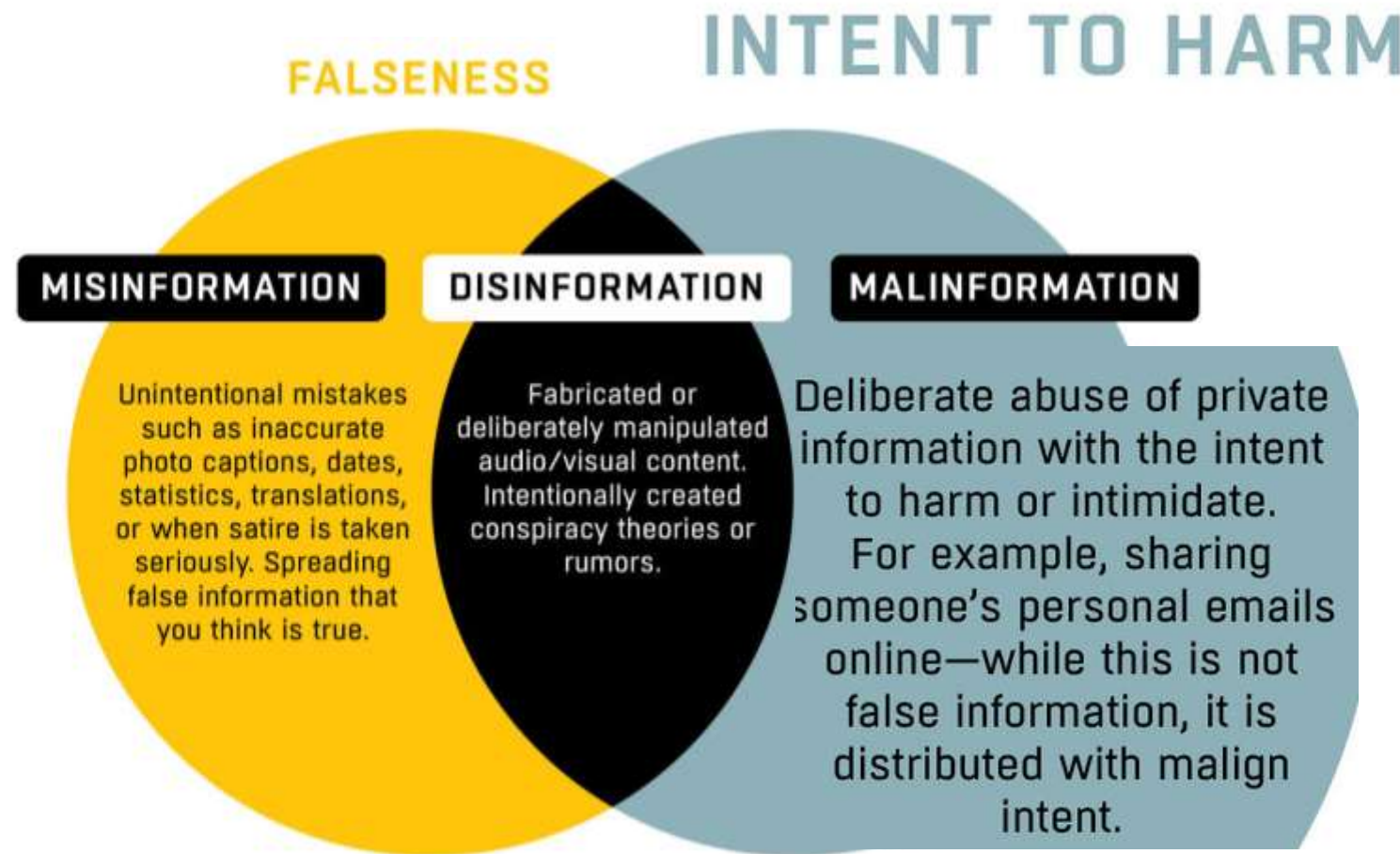
FALSENESS

INTENT TO HARM



Turn the Science into Safety™

Misinformation – Disinformation - Malinformation



Turn the Science into Safety™

Speakers & Reactors



Jennifer Dingman



Bill Adcox



Dr. Gregory Botz



Dr. Christopher Peabody



Charlie Denham III



Jennifer Dingman



Randy Styner



Heather Foster RN



David Beshk



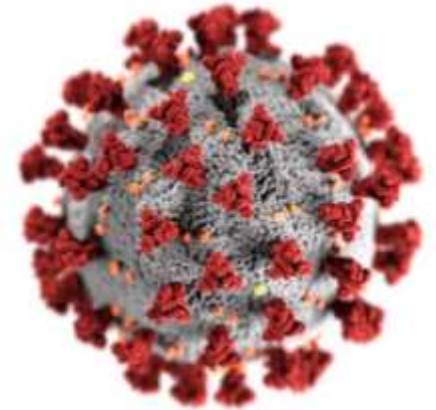
Dr. Charles Denham

Voice of the Patient



Jennifer Dingman

**Founder, Persons United Limiting
Substandard and Errors in Healthcare
(PULSE), Colorado Division
Co-founder, PULSE American Division
TMIT Patient Advocate Team Member
Pueblo, CO**



Fight the Good Fight...

Finish the Race...

Keep the Faith...

Everyone is a Patient

and

Everyone CAN BE a Caregiver

Additional Resources

High Impact Care Hazards to Patients, Students, and Employees

Med Tac Bystander Rescue Care

Med Tac is short for "Medical Tactical" and is an advanced first aid platform to battle failure to rescue. The mission is to teach anyone the critical bystander care skills that can save lives during the most common life-threatening emergencies. Our focus is to train all ages to provide the greatest help in the first 10 minutes before professional first responders arrive and then assist them when they do. The training includes how to work with professional first responders and how to help families as they proceed through hospital emergency care.

Video Library

- Med Tac Story
- Med Tac Leadership Team
- Adapt a Good Program
- 8 Rights of Emergency Care
- College and Youth Program
- Surf & Lifeguard Program
- 3 Minutes & Counting Trailer
- Opioid Overdose Briefing

The Med Tac Story

The Med Tac Program was developed by a team originally focused on active shooter events. When they found that there at least 8 leading causes of preventable death including severe bleeding and that there was no integrated program to teach the public what they can do to save lives and prevent failure to rescue before EMS arrives, Med Tac was born. In many cases bystander rescue care can triple survival of the public knows what to do. The program was funded through 2019 to philanthropy through TST Global, a 501(c)(3) medical research organization that leads a global patient safety community of practice found at www.SafetyLeaders.org. With the development of the Conscience Crisis, our rapid response team has prioritized Infection Care as one of our main focus areas. As of January 1st, 2020 the team has published four articles and has developed pilot programs in five states. [Click here to download a PDF of the four articles.](#)

The Battle Against Failure to Rescue

Bystander Care Training is a critical need in all communities. The preventable deaths we see in the news are the tip of the iceberg. Our program is a Good Samaritan support system to help everyone learn life-saving actions that will save lives.

High Impact Care Hazards are conditions that are frequent, severe, preventable, and measurable. We have identified the leading causes of death that strike children, youth, and those in their workforce years. We provide evidence-based bystander care training that can have the greatest impact.

Bystander Rescue Skills are the competencies that bystanders can learn that will save lives in the few precious minutes before the professional first responders arrive. Such behaviors can be learned by children, adults, and entire families. We have programs for children, adults, law enforcement, educators, lifeguards, and caregivers.

Med Tac is the only integrated program addressing the top causes of death of otherwise healthy children, youth, and adults in the workforce. Med Tac partners with terrific on-site trainers from great organizations who are already in the community.

<https://www.medtacglobal.org/>

Cardiac Arrest

Choking & Drowning

Opioid Overdose

Anaphylaxis

Major Trauma

Infection Care

Transportation Accidents

Bullying

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High Impact Care Hazards to Patients, Students, and Employees



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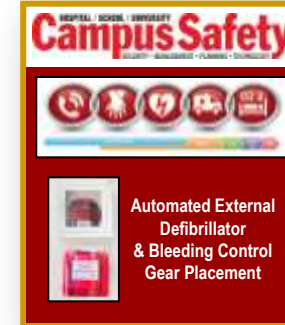
Active Shooter
Healthcare Article



Rapid Response
Teams Article



AED & Bleeding
Control Gear Article



Family Safety
Plan Article



Support
today's
webinar

Med Tac
Story Article



A **Medical-Tactical Approach** undertaken by clinical and non-clinical people can have enormous impact on loss of life and harm from very common hazards:

- **High Impact Care Hazards** are frequent, severe, preventable, and measurable.
- **Lifeline Behaviors** undertaken by anyone can save lives.

Take the Shot...
Save a Life



High Impact Care Hazards to Patients, Students, and Employees

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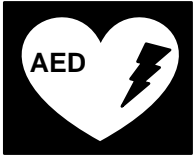
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The Solution: Bystander Rescue Care

Cardiac Arrest



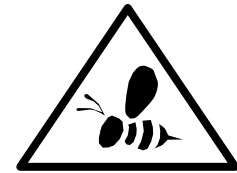
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Opioid OD & Poisoning



Anaphylaxis



Major Trauma



Infection Care



Transportation



Bullying



The Solution: Bystander Rescue Care

Cardiac Arrest



Sudden Cardiac Arrest: There is an epidemic of SCA with one quarter of the SCA events in children and youth occurring at sporting events. CPR and AED use have a dramatic impact on survival.
Possible Lives Saved in the US: 2 every hour and 3 children per day at a sporting event – 25% of SCA deaths in children occur at such events.

Choking & Drowning



Choking: More than 100,000 lives have been saved with the Heimlich Maneuver. Most choking deaths are preventable.

Possible Lives Saved in the US: 13 per day

Drowning: By population, drowning and near drowning events are very common. Since much of the OC population is near water, the numbers are likely much greater.

Possible Lives Saved in the US: 8 per day

Opioid OD & Poisoning



Opioid Overdose and Poisoning: An exploding opioid OD crisis is gripping our nation with a great toll on families. Narcan opioid reversal agents, rescue breathing and positioning, and rapid EMS response saves lives. Awareness drives prevention.

Possible Lives Saved in the US: There are 197 OD deaths per day. Up to 8 lives may be saved per hour.

Anaphylaxis



Anaphylaxis & Life Threatening Allergies: Many events are unreported; however 22% occur in children without a prior diagnosis of allergies. More than one in twenty adults will have an anaphylactic event in their lifetime. Epinephrine auto-injectors save lives within minutes.

Possible Lives Saved in the US: 1 per day

Major Trauma



Major Trauma & Bleeding: Bystander care especially for major bleeding using Stop-The-Bleed techniques of wound pressure, bandages, and tourniquets can have an enormous impact on survival.

Possible Lives Saved in the US: 1 per hour

Infection Care



Infection Care: Epidemics, pandemics, and seasonal infections are a leading cause of death. Prevention, preparedness, protection, and performance improvement strategies and tactics are critical to save lives and inform all Med Tac efforts. They are a feature of all Med Tac Bystander Rescue Care.

Possible Lives Incalculable

Transportation



Non-traffic Related Vehicular Accidents: The incidence of non-traffic related drive-over accidents near schools and home is greater than 50 per week. More than 60% of the drivers are a parent or friend.

Possible Lives Saved in the US: Including adults, there are 1,900 deaths per year; many are preventable.

Bullying



Bullying & Workplace Violence: Bullying and abuse of power in schools and at work can lead to suicide, workplace violence, violent intruders, and active shooter events.

Possible Lives Saved in the US: Difficult to estimate, however the consensus is that they are likely to be very significant.

Med Tac Rescue Stations



**Soaring Eagle Awards:
David Beshk
Danny Policchichio**

**Lives Saved by Med Tac
Bystander Rescue Care
Trainers in Community**





Rescue Station Stand:

- Treated Wood
- Stainless Steel and Bronze Cleats
- Aluminum Signage
- Quick Release Bungee Cords for easy access

Rescue Gear:

- Dedicated 911 phone
- Soft Rescue Tubes
- Rescue Surfboard
- Spine board



Care Case:

- AED
- Stop the Bleed Kits
- CPR Rescue Masks
- COVID Safety Gear

Approved by Advisors:

- OC Lifeguards
- Laguna Beach Lifeguards
- Emergency Medicine MDs
- Critical Care MDs
- Infection Control Experts

**MED
TAC**

Med Tac Rescue Station Sites



Cardiac Arrest



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COVID-19 and Adult CPR

If an adult's heart stops and you're worried that they may have COVID-19, you can still help by performing Hands-Only CPR.



Step 1



Phone 9-1-1 and get an AED.

Step 2



Cover your own mouth and nose with a face mask or cloth.



Cover the person's mouth and nose with a face mask or cloth.

Step 3



Perform Hands-Only CPR. Push hard and fast on the center of the chest at a rate of 100 to 120 compressions per minute.

Step 4



Use an AED as soon as it is available.

KJ-1424 4/20 © 2020 American Heart Association

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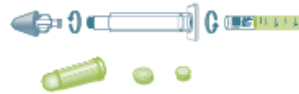
SAVE A LIFE. GET NALOXONE.

Naloxone stops an overdose caused by opioid pain medication, methadone or heroin.

People at risk for overdose and their family and friends can learn to spot an overdose and respond to save a life.

To get naloxone, present this card to the pharmacy staff.

A



MULTI-STEP NASAL SPRAY

DIRECTIONS: Spray 1 mL (half of the syringe) into each nostril.

NO BRAND NAME/GENERIC

COST: \$-\$\$

B



SINGLE-STEP NASAL SPRAY

DIRECTIONS: Spray full dose into one nostril.

BRAND NAME: Narcan

COST: \$\$\$

C



INTRAMUSCULAR INJECTION

DIRECTIONS: Inject 1 mL in shoulder or thigh.

NO BRAND NAME/GENERIC

COST: \$-\$\$

D



AUTO-INJECTOR

DIRECTIONS: Use as directed by voice-prompt. Press black side firmly on outer thigh.

BRAND NAME: Evzio

COST: \$\$\$\$*

*Coupons available, see evzio.com for more info

FOR ALL PRODUCTS, repeat naloxone administration after 2–3 minutes if there is no response.

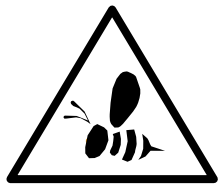
Most insurance will cover at least one of these options, or you can pay cash. All products contain at least two doses

For more on opioid safety, videos on how to use naloxone, or to get help for addiction, go to [PrescribetoPrevent.org](https://www.PrescribetoPrevent.org)

Used with permission from Boston Medical Center



Anaphylaxis



Anaphylaxis & Life Threatening Allergies: Many events are unreported; however 22% occur in children without a prior diagnosis of allergies. More than one in twenty adults will have an anaphylactic event in their lifetime. Epinephrine auto-injectors save lives within minutes.
Possible Lives Saved in the US: 1 per day

How To Use An EpiPen

EpiPen is used for severe lifethreatening allergic reactions.

Signs & Symptoms

Lungs: Chest tightness, cough that will not stop. Wheezing or shortness of breath.

Heart: Lightheaded feeling, fainting, weak pulse, or low blood pressure

Throat: Tightness of throat, hoarse/scratchy throat or drooling.

Mouth: Swollen tongue or lips

Skin: Swelling or severe itching or hives

1

Form FIST around EpiPen® and PULL OFF BLUE SAFETY RELEASE

2

Place orange end HARD into outer thigh so it 'CLICKS' and HOLD for 10 seconds.

3

Remove EpiPen & massage injection site for 10 seconds.

4

After using EpiPen. MUST seek Medical Attention



References
www.nationwidechildrens.org
www.pharmacydirect.co.nz/epipen-adult.html

By: Manjit Gill RN BSN

Major Trauma



Major Trauma & Bleeding: Bystander care especially for major bleeding using Stop-The-Bleed techniques of wound pressure, bandages, and tourniquets can have an enormous impact on survival.

Possible Lives Saved in the US: 1 per hour



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Possible Lives Incalculable

Med Tac Rescue Skill	
CLEAN A CUT – SAVE A LIFE	
1 CLEAN ONLY WITH SOAP AND WATER	2 APPLY ANTIBIOTIC OINTMENT TO CUT
	
3 BANDAGE TO WOUND KEEP CLEAN	4 IF HURTS MORE ON DAY 2 - SEE DOCTOR
	

Clean A Cut – Save A Life: The pathogens of today are very resistant to antibacterial agents and can progress to life-threatening sepsis. So minor cuts and scrapes must be treated immediately and watched closely. Such wounds need to be cleaned quickly, only with soap and water. Alcohol or hydrogen peroxide will harm healing and they harm the infant cells critical to closing the wound.

Transportation



Non-traffic Related Vehicular Accidents:

The incidence of non-traffic related drive-over accidents near schools and home is greater than 50 per week. More than 60% of the drivers are a parent or friend.

Possible Lives Saved in the US: Including adults, there are 1,900 deaths per year; many are preventable.



Bullying



Bullying & Workplace Violence: Bullying and abuse of power in schools and at work can lead to suicide, workplace violence, violent intruders, and active shooter events.

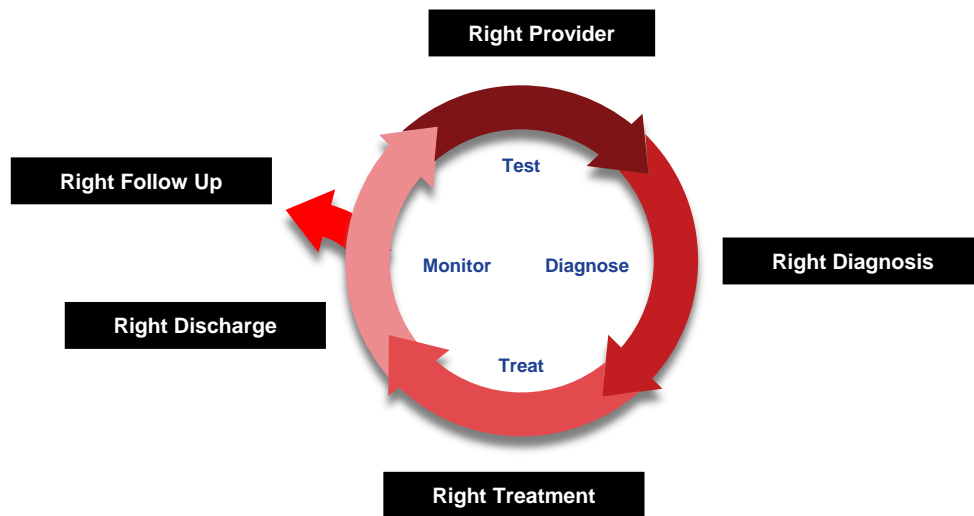
Possible Lives Saved in the US: Difficult to estimate, however the consensus is that they are likely to be very significant.

Bullying

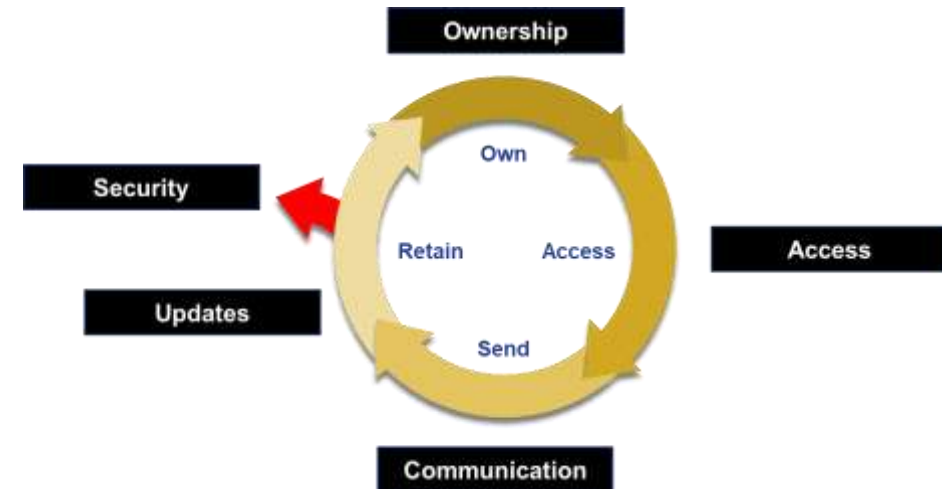


The 5 Rights Frameworks

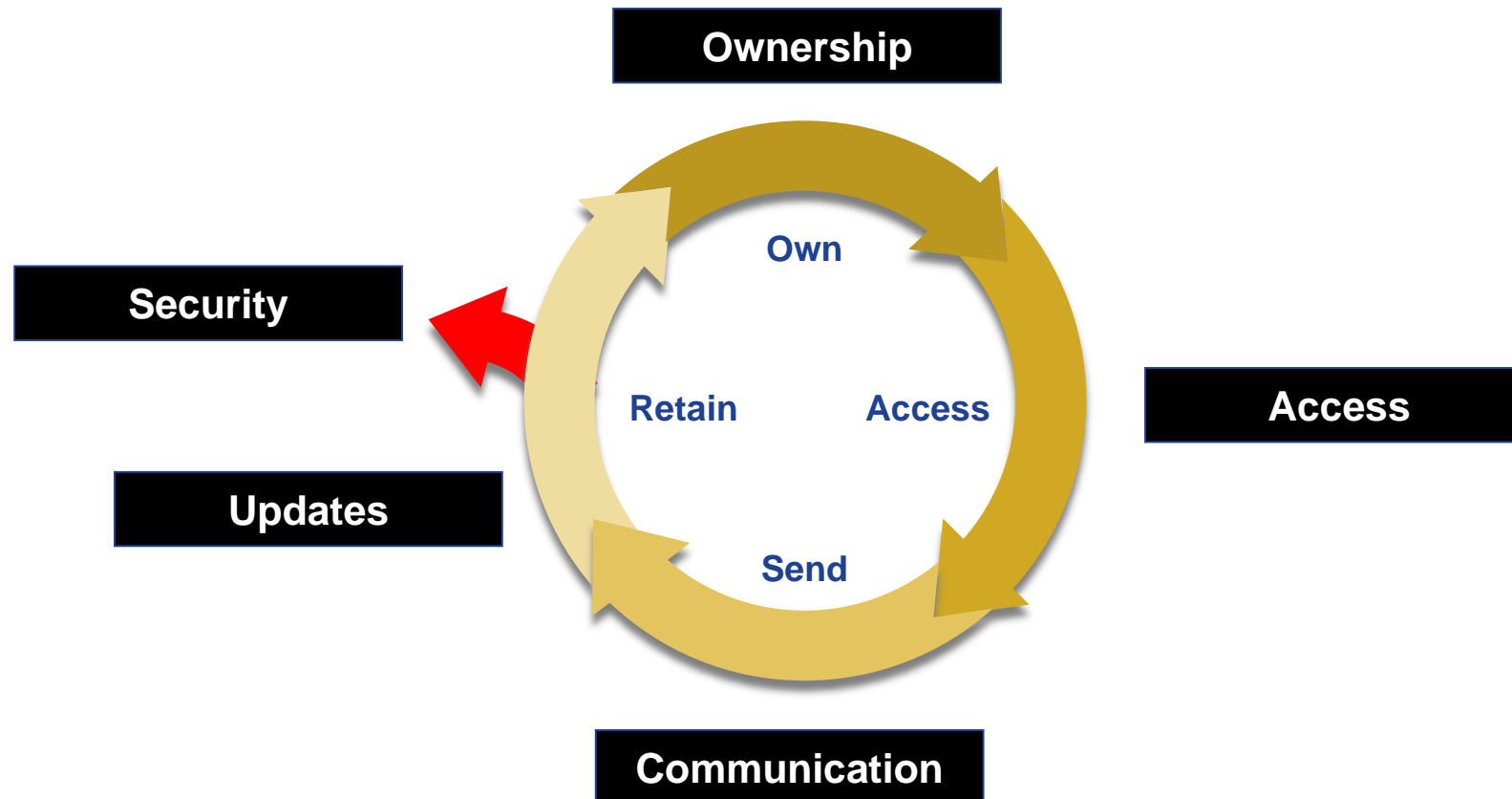
The 5 Rights of Emergency Care™



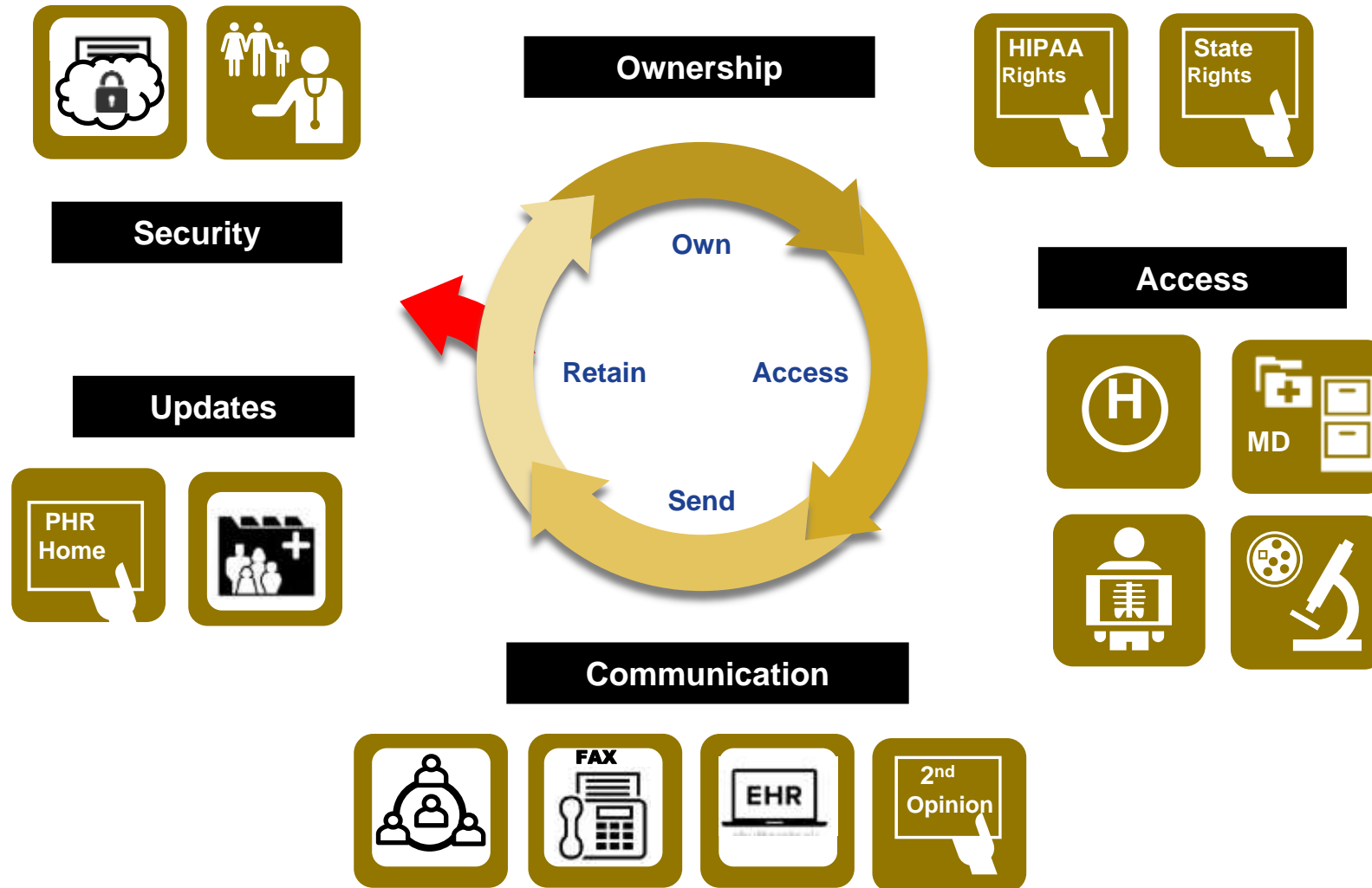
The 5 Rights of Medical Records™



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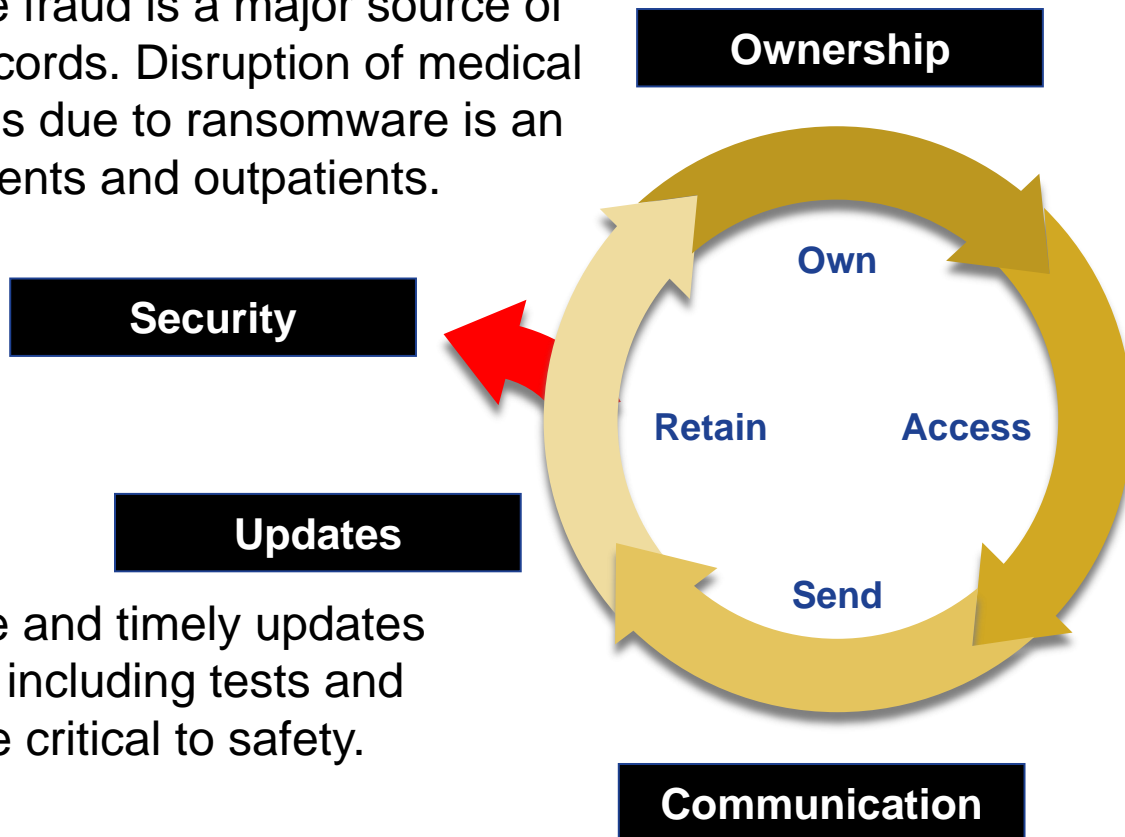


The 5 Rights of Medical Records™



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Security: Insurance fraud is a major source of errors in medical records. Disruption of medical facility record access due to ransomware is an issue for both inpatients and outpatients.



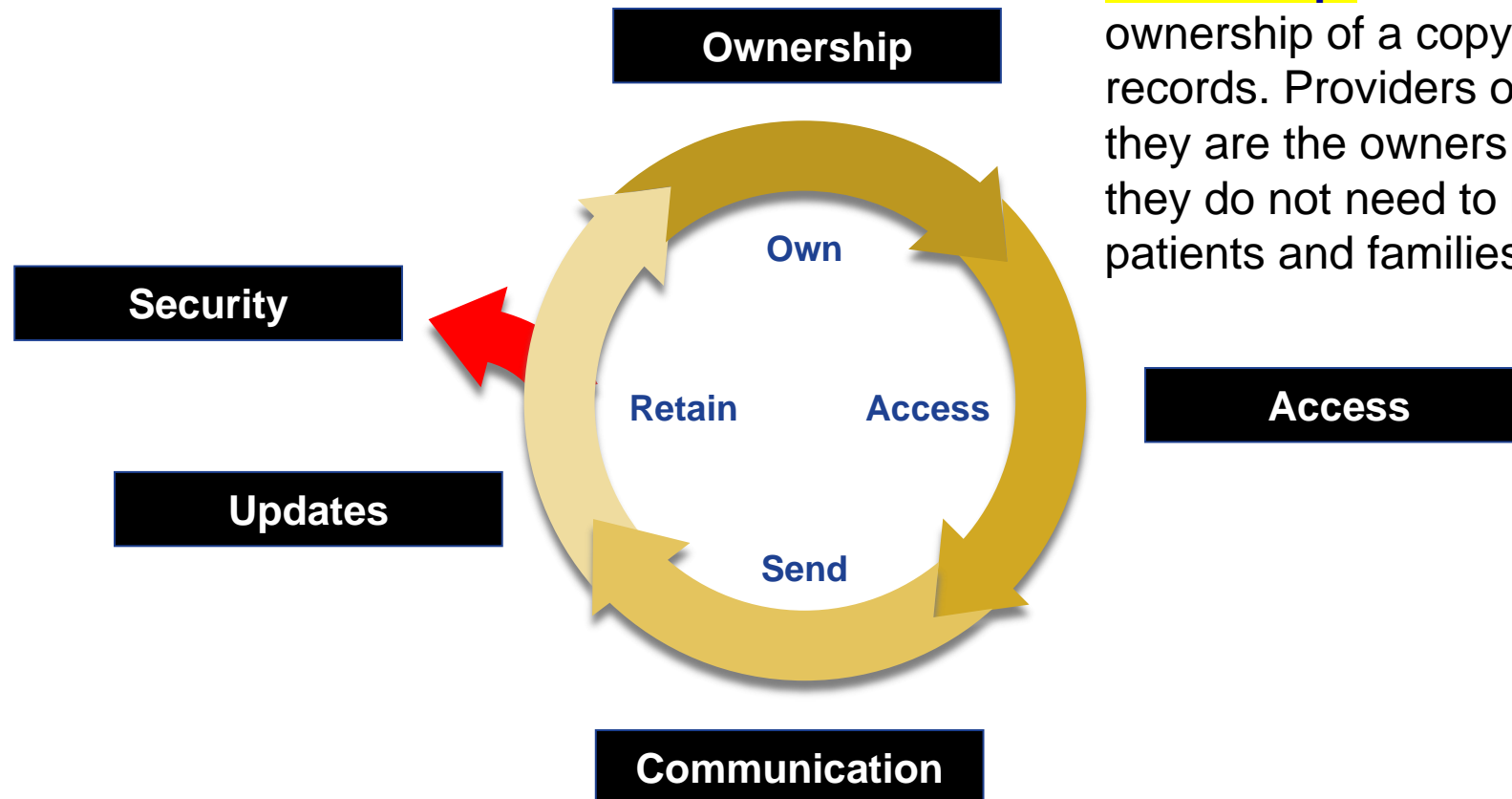
Updates: Accurate and timely updates to medical records including tests and medication lists are critical to safety.

Ownership: Patients are entitled to the ownership of a copy of their medical records. Providers often presume since they are the owners of the records that they do not need to provide them to patients and families.

Access: The safety and quality of care is directly related to the access of all medical records to the patient and to all care providers. Ideally there should be minimal lag in availability.

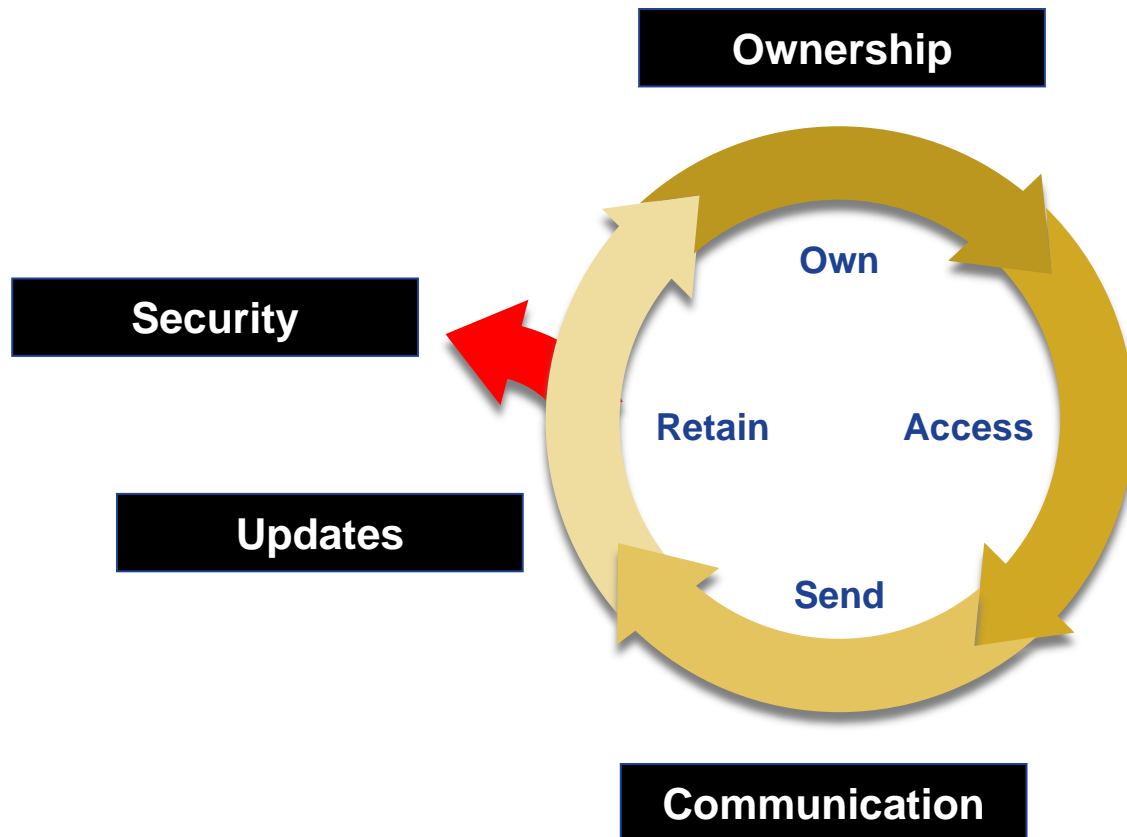
Communication: Breakdown in the transmission of medical records is a major source of adverse events causing preventable harm and expense. Patients must ensure transmission.

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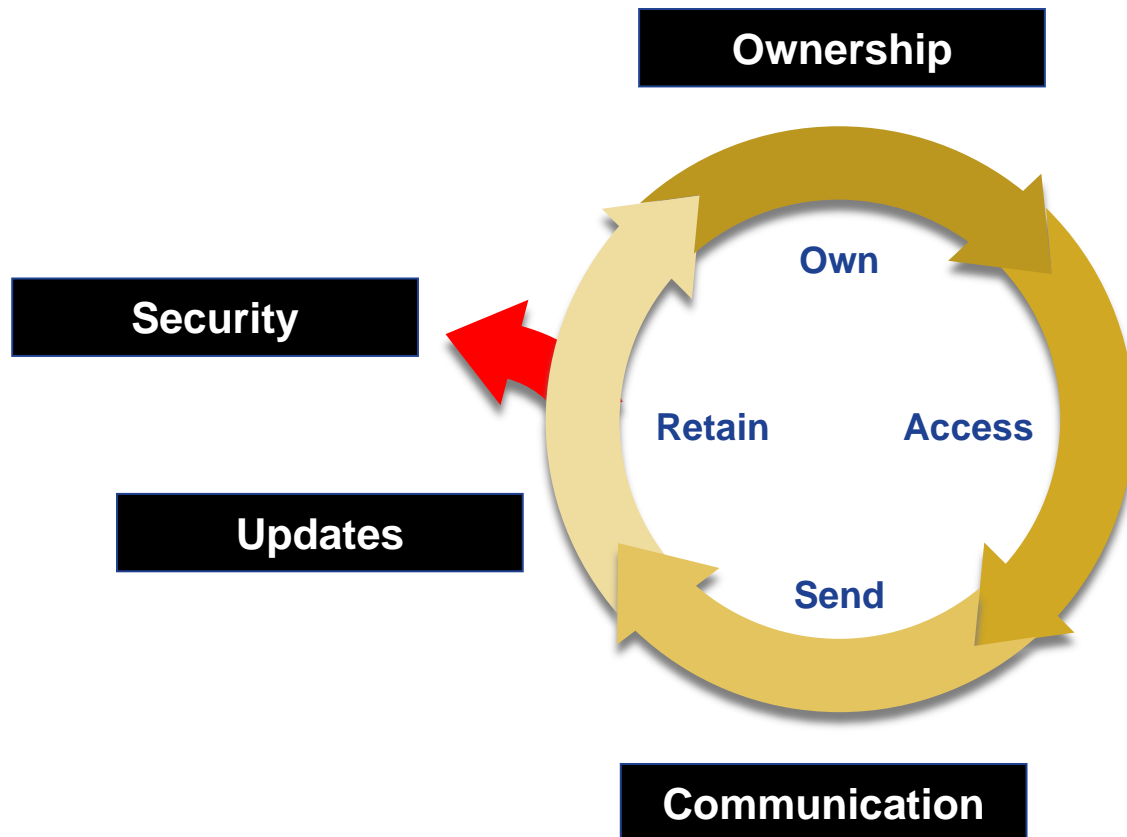


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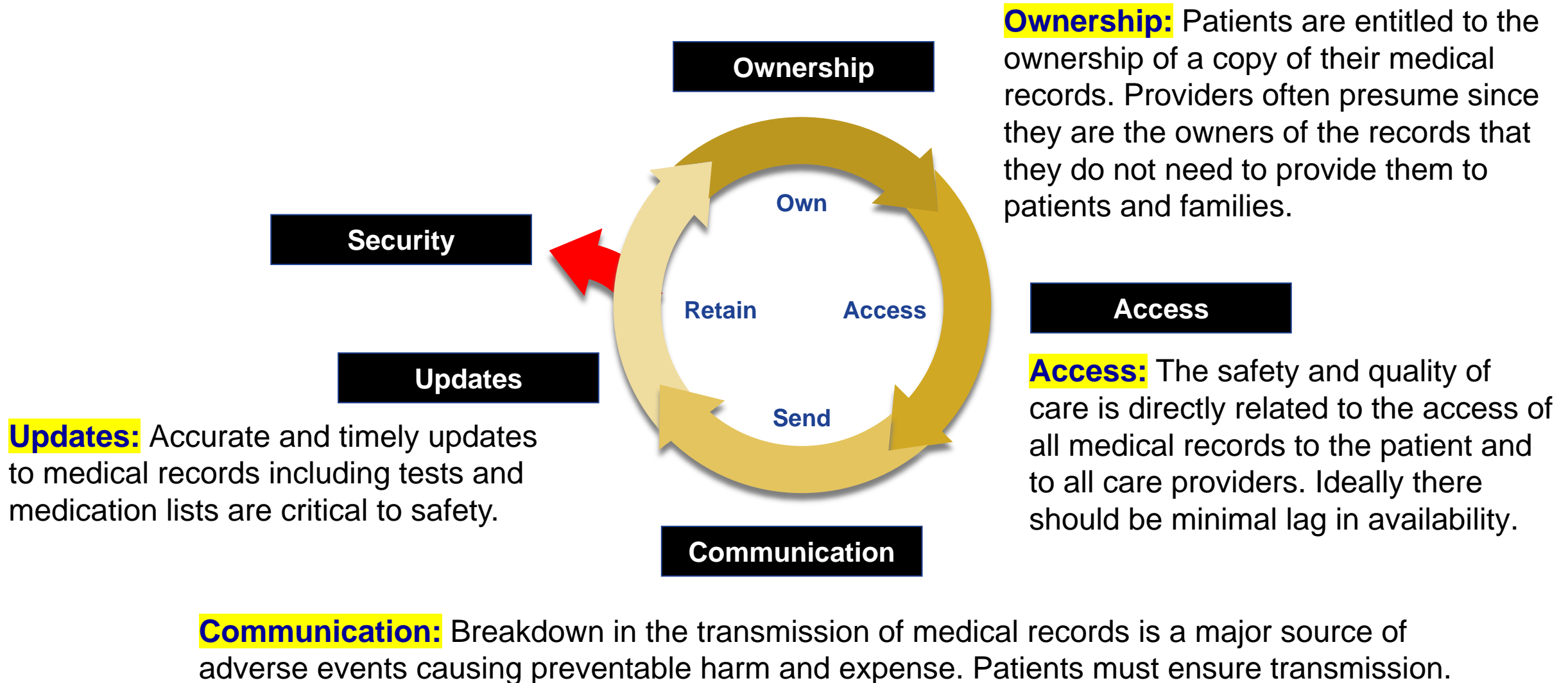
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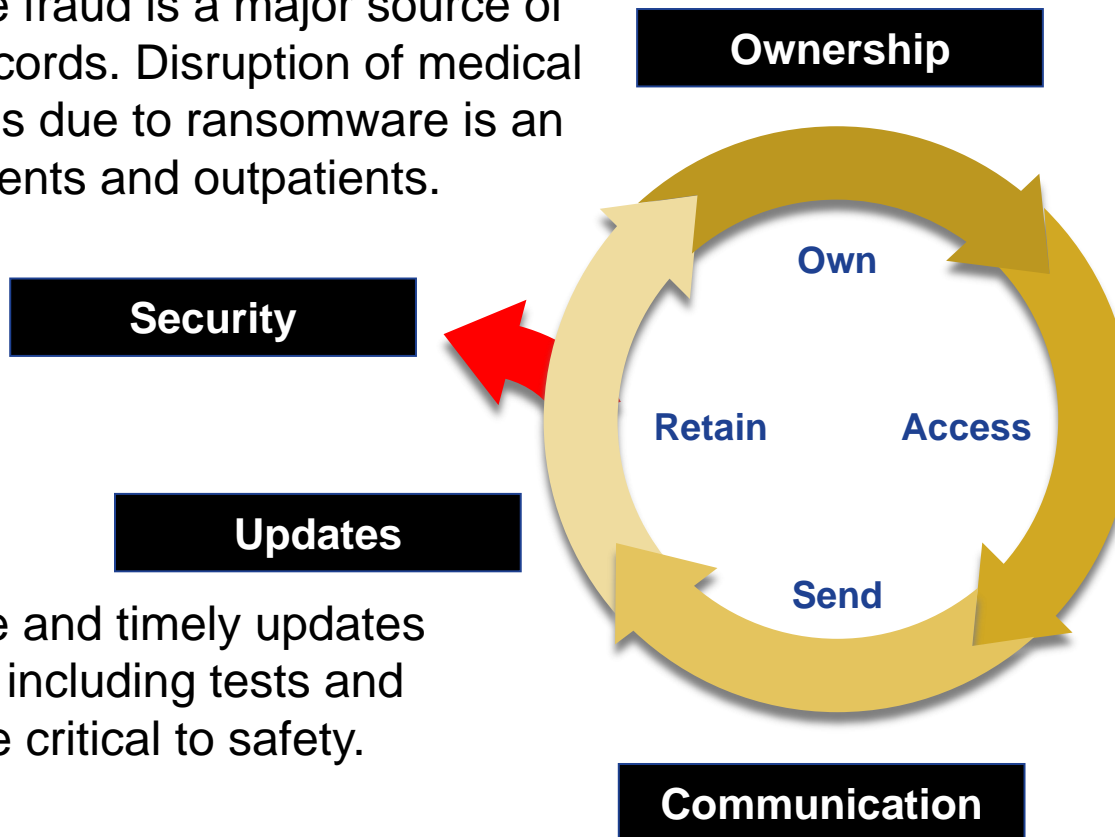
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